

SCHNEIDER

AV-R1000

MODEL

SERVICE MANUAL

1. Precautions

Prior to shipment from the factory, the products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

1-1 Safety Precautions

(1) Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.

(2) Some parts are critical for safety. Replace only with specified part numbers.

Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

(3) Use specified internal wiring. Note especially:

- 1) Double insulated wires
- 2) High voltage leads

(4) Use specified insulating materials for hazardous live parts. Note especially:

- 1) Insulation Tape
- 2) PVC tubing
- 3) Spacers
- 4) Insulation sheets for transistor

(5) Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)

(6) Check that replaced wires do not contact sharp edged or pointed parts.

(7) 1) When a power cord has been replaced, check that A mark is made on the cord, under strain, near the aperture, and the flexible cord is subjected 100 times to a pull of 40N for a duration of 1 second each.

2) During the test, the cord shall not be displaced by more than 2mm.

(8) Also check areas surrounding repaired locations.

1-2 ESD Precautions

Electrostatically Sensitive Devices(ESD)

Some semiconductor (solid state) devices can be damaged easily by static electricity.

Such components commonly are called Electrostatically Sensitive Devices (ESD). Examples of typical ESD devices are integrated circuits and some field-effect transistors and semiconductor chip components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

(1) Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.

(2) After removing an electrical assembly equipped with ESD devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.

(3) Use only a grounded-tip soldering iron to solder or unsolder ESD devices.

(4) Use only an anti-static solder removal devices. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESD devices.

(5) Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESD devices.

(6) Do not remove a replacement ESD device from its protective package until immediately before you are ready to install it. (Most replacement ESD devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive materials).

(7) Immediately before removing the protective materials from the leads of a replacement ESD device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

(8) Minimize bodily motions when handling unpackaged replacement ESD devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ESD device).

2. Disassembly (DMA-1030)

CAUTION BEFORE STARTING SERVICING

Electronic parts are susceptible to static electricity and may easily damaged, so do not forget to take a proper grounding treatment as required.

Many screws are used inside the unit. To prevent missing, dropping, etc. of the screws, always use a magnetized screw driver in servicing. Several kinds of screws are used and some of them need special cautions. That is, take care of the tapping screws securing molded parts and fine pitch screws used to secure metal parts. If they are used improperly, the screw holes will be easily damaged and the parts can not be fixed.

2-1-1 Cabinet Disassembly

(1) Top Cabinet Removal

- 1) Release 5 screws. (See Fig.2-1)
- 2) Lift up the Top Cabinet in the direction of the arrow.

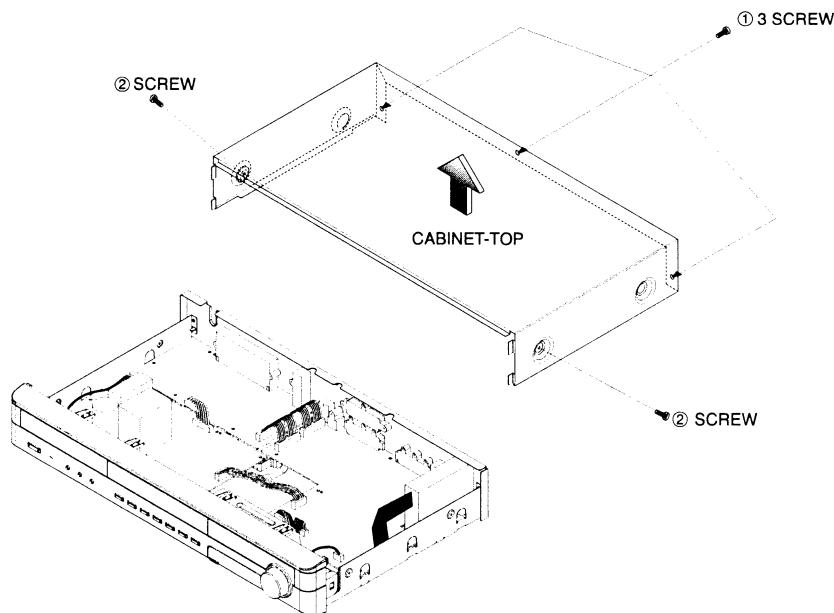


Fig. 2-1 Top Cabinet Removal

2-1-2 Ass'y Front-Cabinet Removal

- 1) Disconnect wire ①, ②, ③ (See Fig. 2-3)

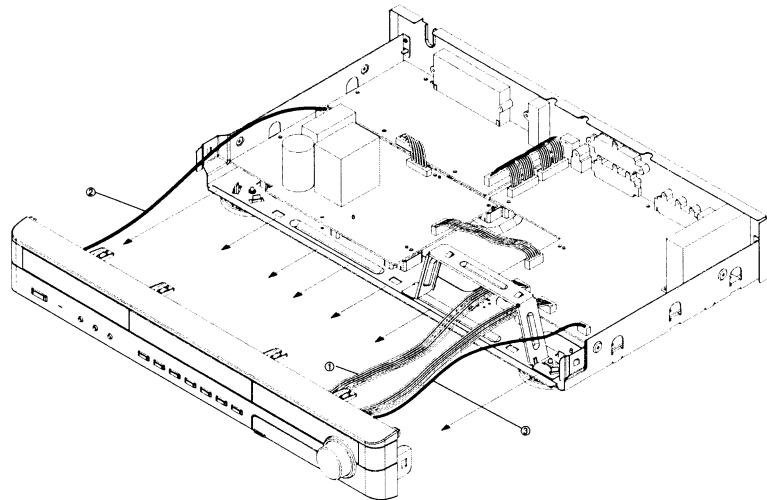
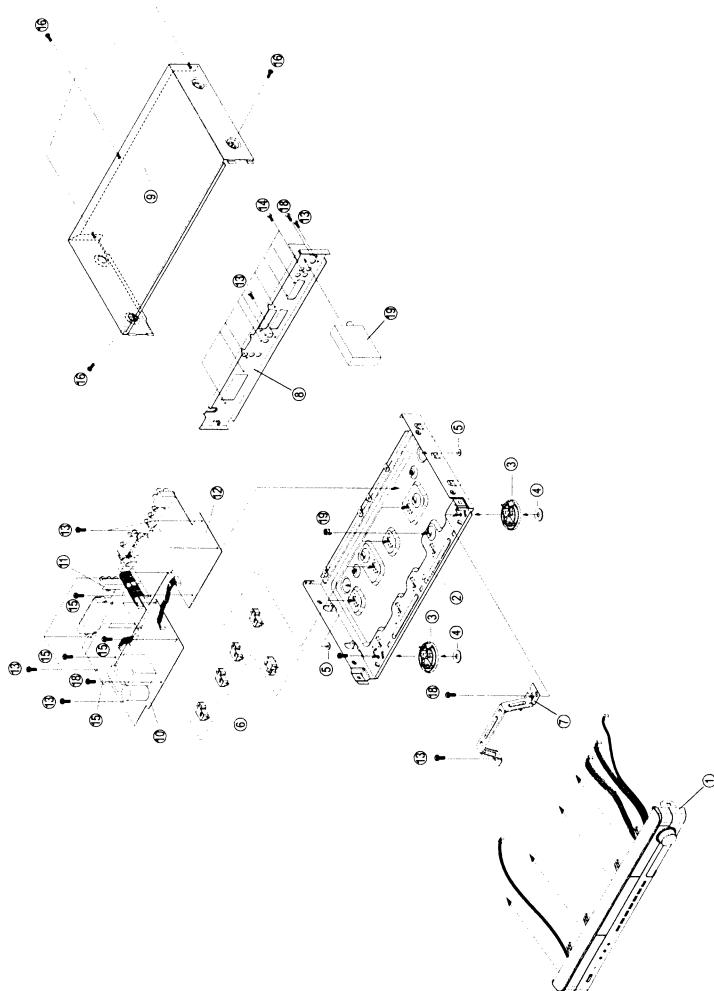


Fig. 2-3 Ass'y Front-Cabinet Removal

3. Exploded Views

2-2-1 Cabinet and Main Frame Section (DMA-1030)



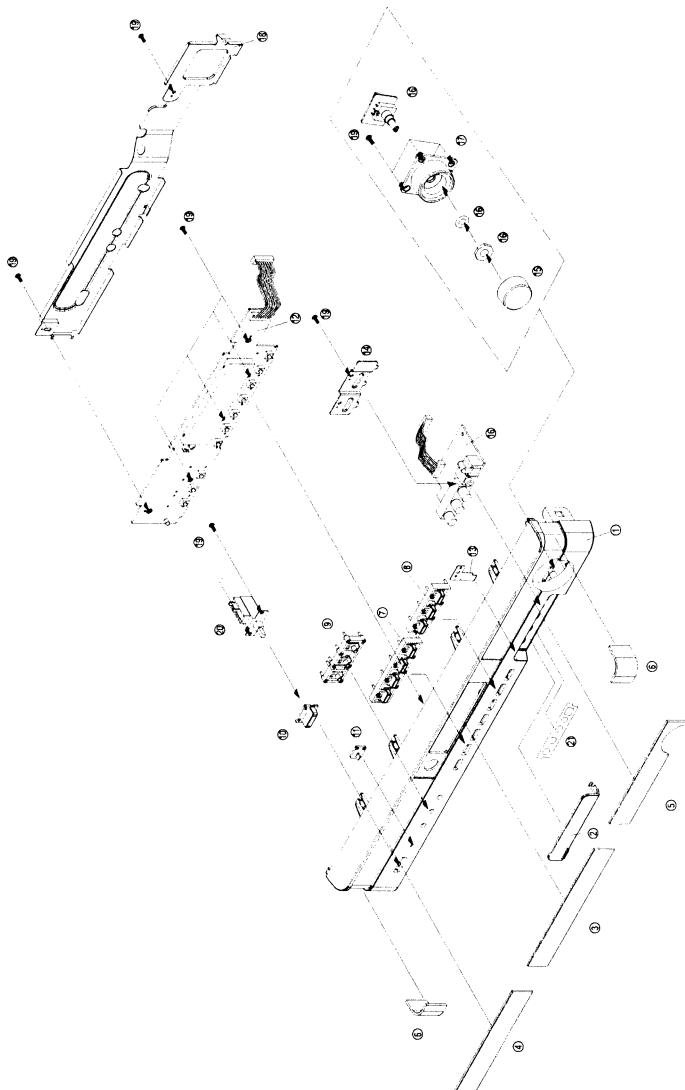
2-2-1

SET EXPLODED - VIEW LIST

NO.	CODE NO.	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	DR03-AF003	ASS'Y-FRONT	PANEL-FRONT ASS'Y	1	
2	DP02-M0092B	CHASSIS-BOTTOM	SECC T 0.8		
3	DP02-M0152B	FOOT-FRONT	ABS GRAY : HOTSTAMPING	1	
4	DP00-L0003	CUSHION-FRONT	EVA 60 T3.0	2	
5	DP00-L0004	CUSHION-BOTTOM	EVA 60 T2.0	2	
6	DP03-DM036	HOLDER-PCB	ABS 94HB GRAY	2	
7	DR03-DP008A	BRKT-FRONT	SECC T1.0	4	
8	DR03-DP002	CHASSIS-REAR	SECC T0.8	1	
9	DP01-M0024	CABINET-TOP	SECC T0.6	1	
10	APSM-00028A	PCB-ASSY	SMPS-PCB ASS'Y	1	
11	APSM-00016A	PCB-ASS'Y	AMP-PCB ASS'Y(DMA-1030E:6241B+5112)	1	
12	APSM-00066A	PCB-ASS'Y	MPEG-PCB ASS'Y(DMA-2030T)	1	
	APSM-00064A	PCB-ASS'Y	MPEG-PCB ASS'Y(DMA-1030E)	1	
13	DP00-DP011A	SCREW 3 * 8 YEL	TAPTITE 3 * 8 YEL	1	
14	DP00-P0001A	SCREW 3 * 10 YEL	TAPTITE 3 * 10 YEL	5	
15	DP03-KS003A	SCREW 3 * 13.5 YEL	TAPTITE 3 * 13.5 YEL	25	
16	DP00-P0003A	SCREW 3 * 8VSIL	TAPTITE 3 * 8 SIL	10	
17	DP03-KS005A	SCREW 4 * 8 YEL	TAPTITE 4 * 8 YEL	9	
18	DP00-P0018D	SCREW M 3 * 5 YEL	MACHINE 3 * 5 YEL	2	
19	DP02-M0089	SUPPORT-PCB	ABS 94HB GRY	1	
20	DPEX-10156A	TUNER MODULE	KST-MV011FA1-59,EU,FM THD	1	
	DPEX-10110A	TUNER MODULE	KST-MV011FA1-59,ASIA	1	
	DPEX-10112A	TUNER MODULE	KST-MV011FA1-59,JAPAN	1	
	DPEX-10111A	TUNER MODULE	KST-MV011FA1-59,USA	1	

2-2-2

3-1-3 Front Exploded views



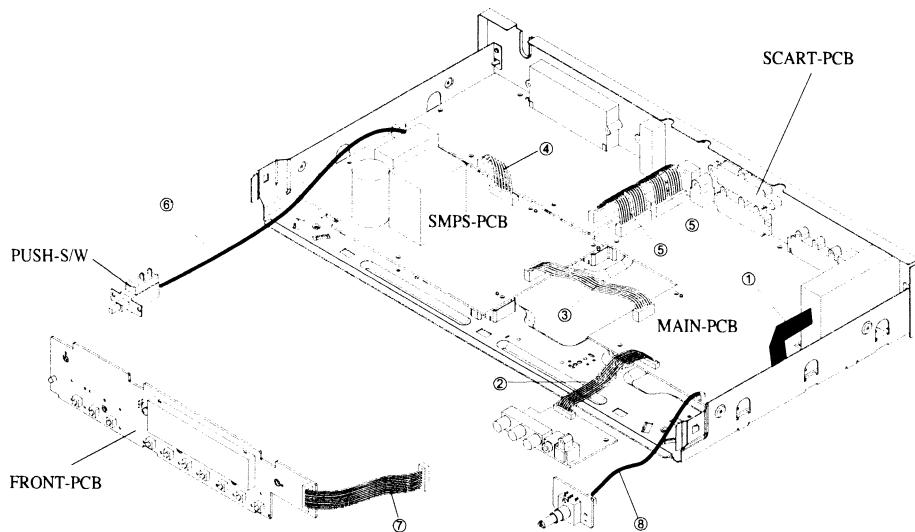
FRONT - ASS'Y EXPLODED - VIEW LIST

NO.	CODE NO.	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
1	DR03-DM015	FRONT-PANEL	HIPS 94HB GRY	1	
2	DR03-DM024	COVER-FRONT	ABS 94HB GRY	1	
3	DR03-DM016	WINDOW-VFD	PMMA : STAMPING	1	
4	DR03-DM017	WINDOW-BADGE	PMMA : STAMPING	1	
5	DR03-DM018	WINDOW-VOLUME	PMMA : STAMPING	1	
6	DR03-DM024	DECO-FRONT	ABS GRY:NIKEL COATING	1	
7	DR03-DM020	BUTTON-FUNCTION-A	ABS GRY:NIKEL COATING	1	
8	DR03-DM021	BUTTON-FUNCTION-B	ABS GRY:NIKEL COATING	1	
9	DR03-DM022	BUTTON-FUNCTION-C	ABS GRY:NIKEL COATING	1	
10	DP03-DM099	KNOB-PUSH(DMP-340)	ABS GRY:NIKEL COATING	1	
11	DP03-DM100	LED-POWER(DMP-340)	PMMA : MILKY	1	
13	DR03-DP003	COVER-SPRING	SUS 304 T0.3	1	
14	DR03-DP004	BRKT-JACK	SECC T1.0	1	
15	DP03-DM076	KNOB- VOLUME	ABS 94HB GRY	1	
17	DP03-DM023	HOLDER-VOLUME	ABS 94HB GRY	1	
18	DR03-DP005	SHIELD-FRONT	SPTE T0.4	1	
19	DP00-P0011A	SCREW 3 * 8 YEL	TAPTITE 3 * 8 YEL	10	
20		PUSH-S/W	PITCH 25mm	1	
21	DP03-EE003A	INLAY-FRONT	PVC SHEET T0.3 L/GRY	1	

FRONT - PCB ASS'Y - VIEW LIST

NO.	CODE NO.	DESCRIPTION	SPECIFICATION	Q'TY	REMARK
12	APFR-00080A	PCB ASS'Y	FRONT-PCB ASS'Y(DMA-1030)	1	
16	APFR-00082A	PCB ASS'Y	FRONT JACK-PCB ASS'Y	1	
23	APFR-00083A	PCB ASS'Y	VOLUME-PCB ASS'Y	1	

2-3-3 Connector Diagram(PUSH TYPE)



NO.	CODE NO.	PART NAME	DESCRIPTION	DIRECTION
1	DPWI-10017A	CABLE-FFC	13P, 80mm, A-TYPE	MPEG <=> TUNE
2	DPWI-10133A	CONNECTOR-WIRE	STRAIGHT,13P,2mmB/S,SHIELD,70mm	MPEG <=> AV JACK
3	DPWI-10130A	CONNECTOR-WIRE	STRAIGHT,9P,2mmB/S,100mm	SMPS
4	DPWI-10124A	CONNECTOR-WIRE	STRAIGHT,7P,2.5mmB/S,65mm	SMPS
5	DPWI-10035A	CONNECTOR-WIRE	13P, 80mm, A-TYPE	MPEG <=> AMP
6	DPEX-10038A	AC POWER CORD	LA-C-101,2P,290mm	FRONT
7	DPWI-10120A	CONNECTOR-WIRE	ANGLR,10P,2mm,BL,100mm	FRONT
8	DPWI-10132A	CONNECTOR-WIRE	AMGLE,3P,2mm,B/L,90mm	VOLUME

3. Disassembly (DMA-2030)

CAUTION BEFORE STARTING SERVICING

Electronic parts are susceptible to static electricity and may easily damaged, so do not forget to take a proper grounding treatment as required.

Many screws are used inside the unit. To prevent missing, dropping, etc. of the screws, always use a magnetized screw driver in servicing. Several kinds of screws are used and some of them need special cautions. That is, take care of the tapping screws securing molded parts and fine pitch screws used to secure metal parts. If they are used improperly, the screw holes will be easily damaged and the parts can not be fixed.

3-1-1 Cabinet Disassembly

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- 2) Lift up the Top Cabinet in the direction of the arrow.

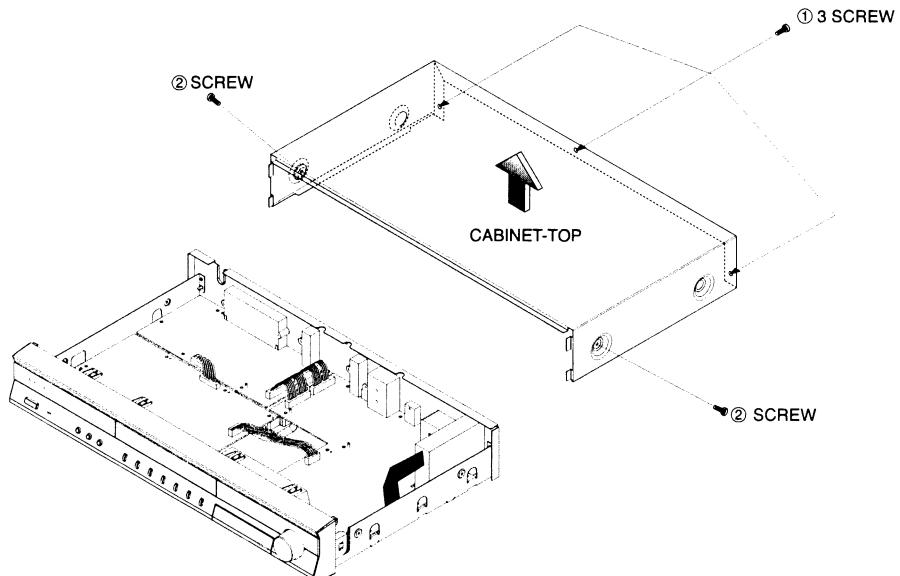


Fig. 2-1 Top Cabinet Removal

3-1-2 Ass'y Front-Cabinet Removal

1) Disconnect wire ①, ②, ③ (See Fig. 2-3)

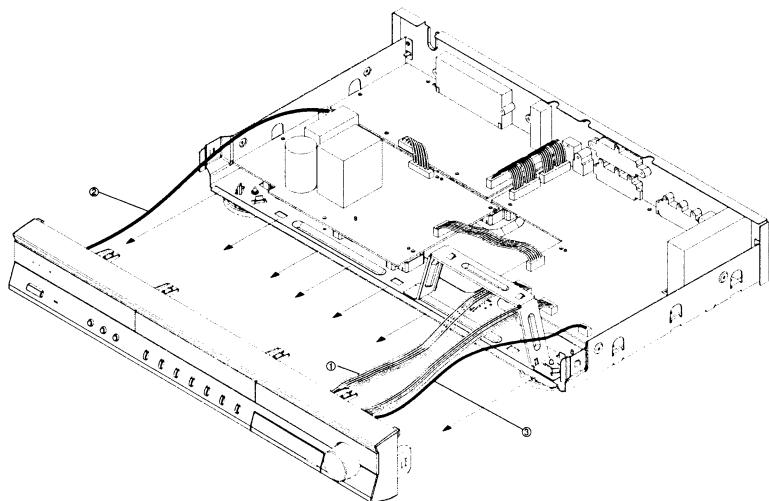
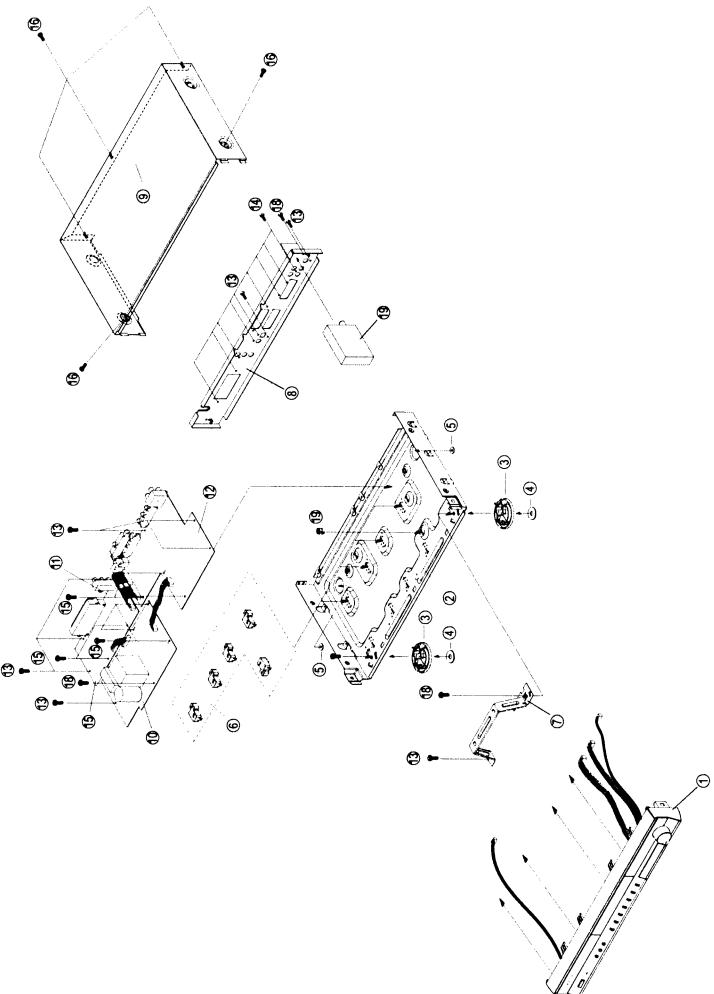


Fig. 2-3 Ass'y Front-Cabinet Removal

3. Exploded Views

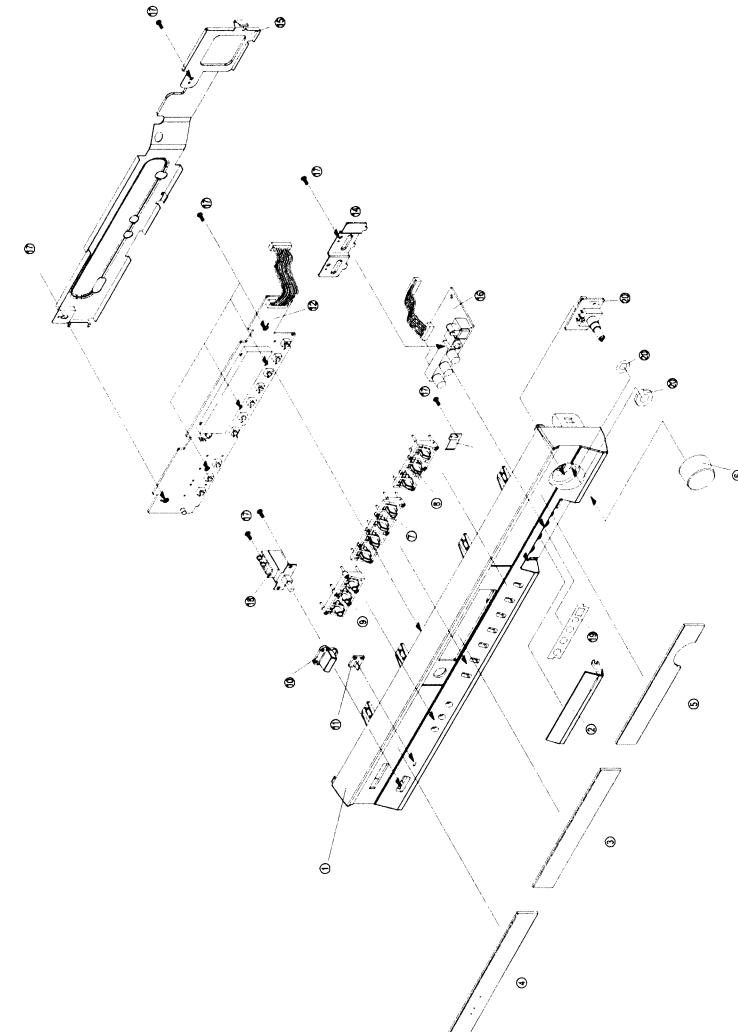
3-2-1 Cabinet and Main Frame Section (DMA-2030)



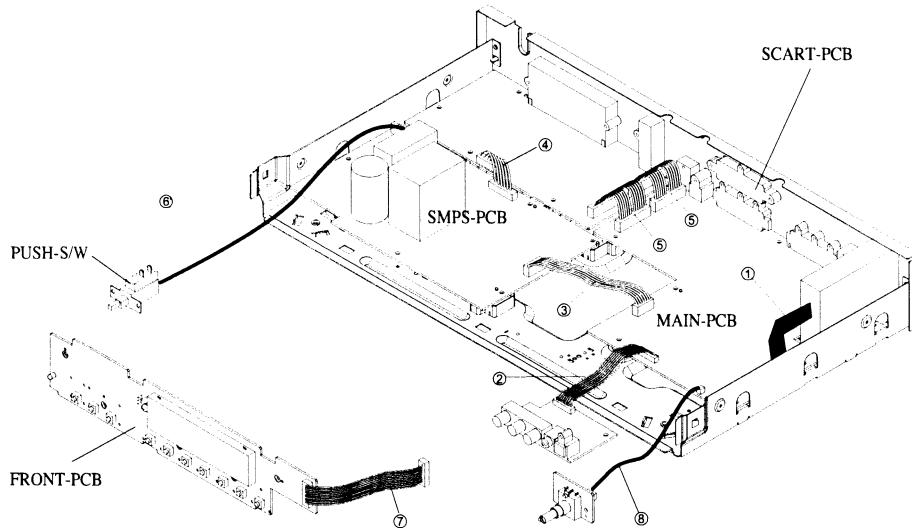
SET EXPLODED - VIEW LIST

NO.	CODE NO.	DESCRIPTION	SPECIFICATION	QTY	REMARK
1	DR03-AF007	ASS'Y-FRONT	PANEL-FRONT ASS'Y	1	
2	DP02-M0092B	CHASSIS-BOTTOM	SECC T 0.8		
3	DP02-M0152B	FOOT-FRONT	ABS GRAY : HOTSTAMPING	1	
4	DP00-L0003	CUSHION-FRONT	EVA 60 T3.0	2	
5	DP00-L0004	CUSHION-BOTTOM	EVA 60 T2.0	2	
6	DP03-DM036	HOLDER-PCB	ABS 94HB GRAY	2	
7	DR03-DP008A	BRKT-FRONT	SECC T1.0	4	
8	DR03-DP002	CHASSIS-REAR	SECC TO.8	1	
9	DP01-M0024	CABINET-TOP	SECC TO.6	1	
10	APSM-00028A	PCB-ASSY	SMPS-PCB ASS'Y	1	
11	APSM-00016A	PCB-ASS'Y	AMP-PCB ASS'Y(DMA-1030E:6241B+5112)	1	
12	APSM-00066A	PCB-ASS'Y	MPEG-PCB ASS'Y(DMA-2030T)	1	
	APSM-00064A	PCB-ASS'Y	MPEG-PCB ASS'Y(DMA-1030E)	1	
13	DP00-DP011A	SCREW 3 * 8 YEL	TAPTITE 3 * 8 YEL	1	
14	DP00-P0001A	SCREW 3 * 10 YEL	TAPTITE 3 * 10 YEL	5	
15	DP03-KS003A	SCREW 3 * 13.5 YEL	TAPTITE 3 * 13.5 YEL	25	
16	DP00-P0003A	SCREW 3 * 8VSIL	TAPTITE 3 * 8 SIL	10	
17	DP03-KS005A	SCREW 4 * 8 YEL	TAPTITE 4 * 8 YEL	9	
18	DP00-P0018D	SCREW M 3 * 5 YEL	MACHINE 3 * 5 YEL	2	
19	DP02-M0089	SUPPORT-PCB	ABS 94HB GRY	1	
20	DPEX-10156A	TUNER MODULE	KST-MV011FA1-59,EU,FM THD	1	
	DPEX-10110A	TUNER MODULE	KST-MV011FA1-59,ASIA	1	
	DPEX-10112A	TUNER MODULE	KST-MV011FA1-59,JAPAN	1	
	DPEX-10111A	TUNER MODULE	KST-MV011FA1-59,USA	1	

3-3-1 Front Exploded views



3-3-3 Connector Diagram (2030)



NO.	CODE NO.	PART NAME	DESCRIPTION	DIRECTION
1	DPWI-10017A	CABLE-FFC	13P, 80mm, A-TYPE	MPEG <=> TUNER
2	DPWI-10133A	CONNECTOR-WIRE	STRAIGHT,13P,2mmB/S,SHIELD,70mm	MPEG <=> AV JACK
3	DPWI-10130A	CONNECTOR-WIRE	STRAIGHT,9P,2mmB/S,100mm	SMPS
4	DPWI-10124A	CONNECTOR-WIRE	STRAIGHT,7P,2.5mmB/S,65mm	SMPS
5	DPWI-10035A	CONNECTOR-WIRE	STRAIGHT, 13P, 2mm, B/S, 65mm	MPEG <=> AMP
6	DPEX-10038A	AC POWER CORD	LA-C-101,2P,290mm	FRONT
7	DPWI-10120A	CONNECTOR-WIRE	ANGLR,10P,2mm,BL,100mm	FRONT
8	DPWI-10132A	CONNECTOR-WIRE	AMGLE,3P,2mm,B/L,90mm	VOLUME

3-4-1 PCB Removal

- 1) Disconnect wire ①, ②, ③, ④
- 2) Remove Screws ⑤, ⑥, ⑦, ⑨, ⑩, ⑪ (See Fig. 2-5)

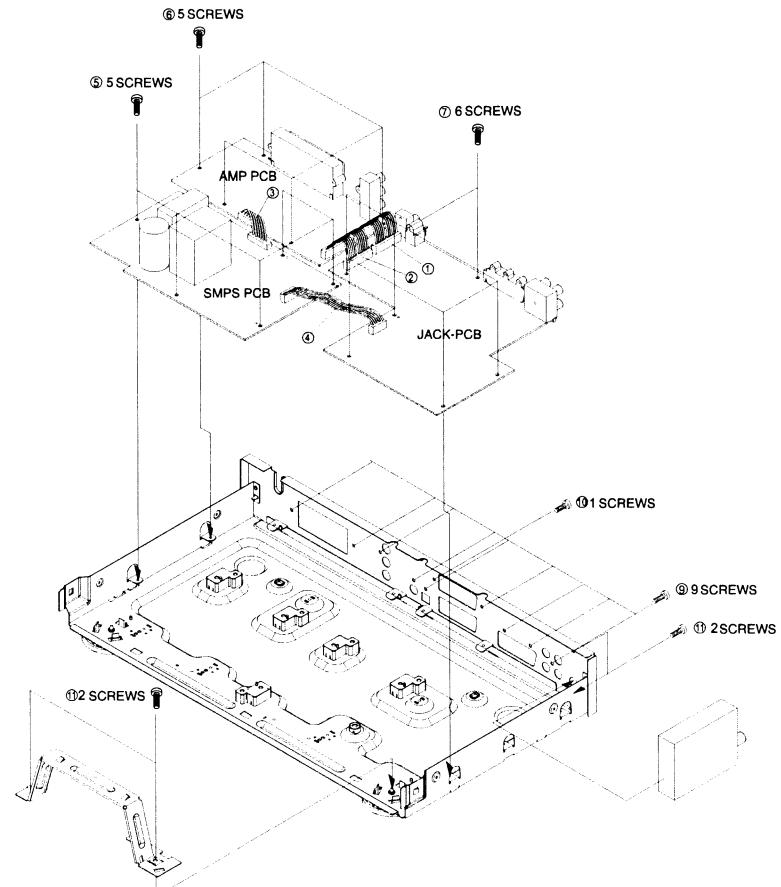


Fig. 2-5 PCB Removal

3-4-2 PCB Removal (SCART)

- 1) Disconnect wire ①, ②, ③, ④
- 2) Remove Screws ⑤, ⑥, ⑦, ⑨, ⑩, ⑪(See Fig. 2-5)

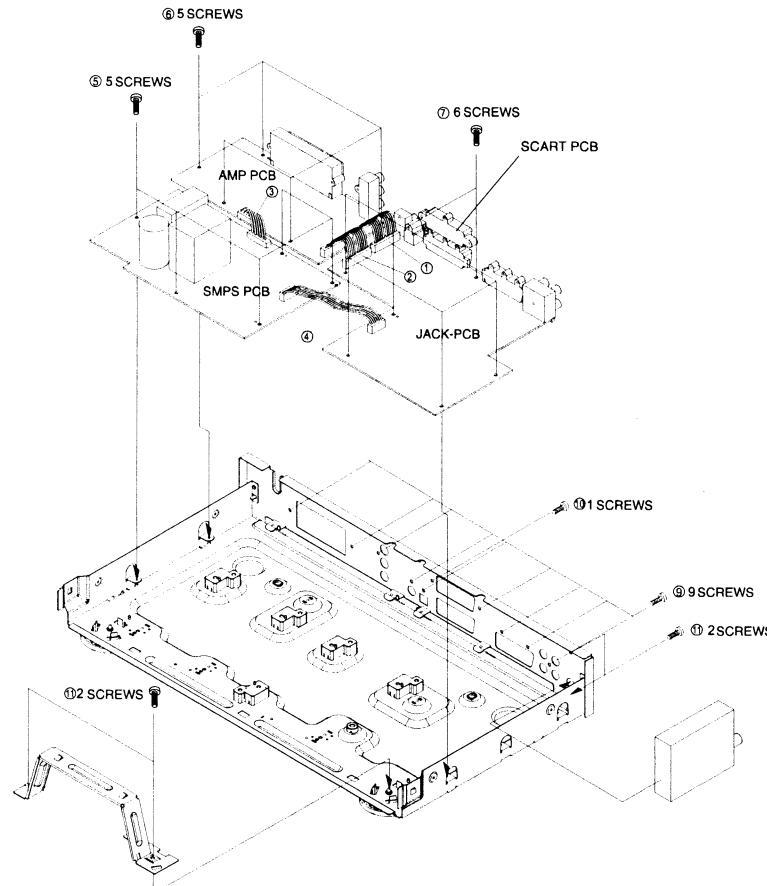
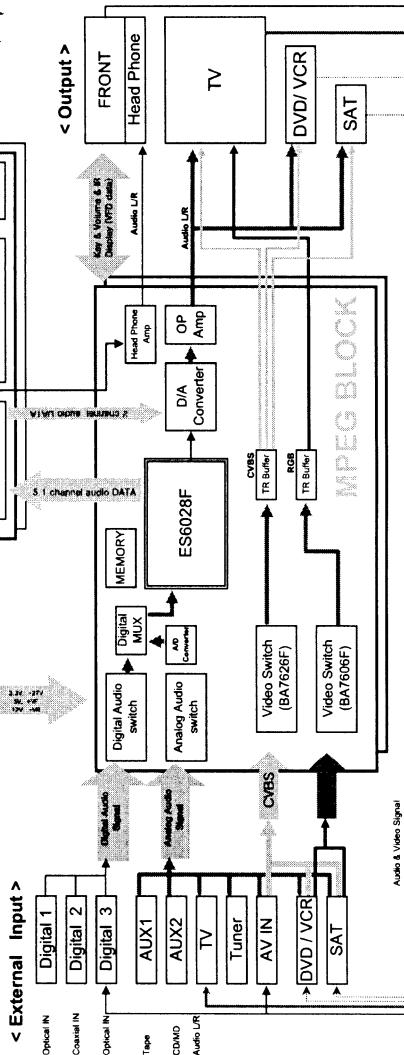


Fig. 2-5 PCB Removal

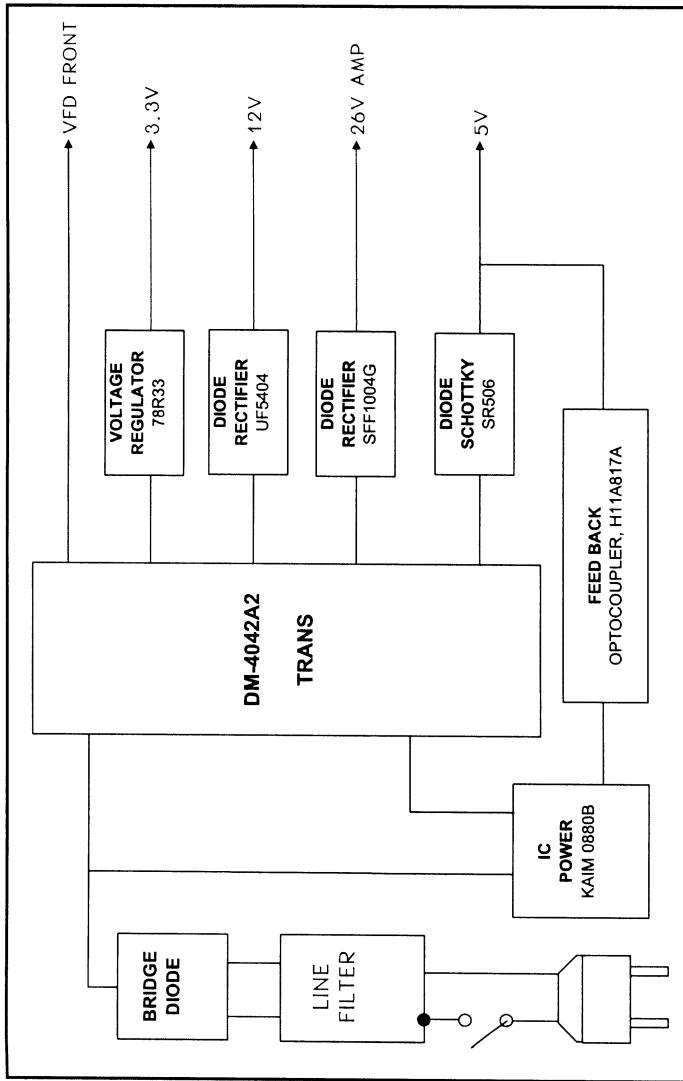
4. Block Diagrams

4-1 Overall Block Diagram

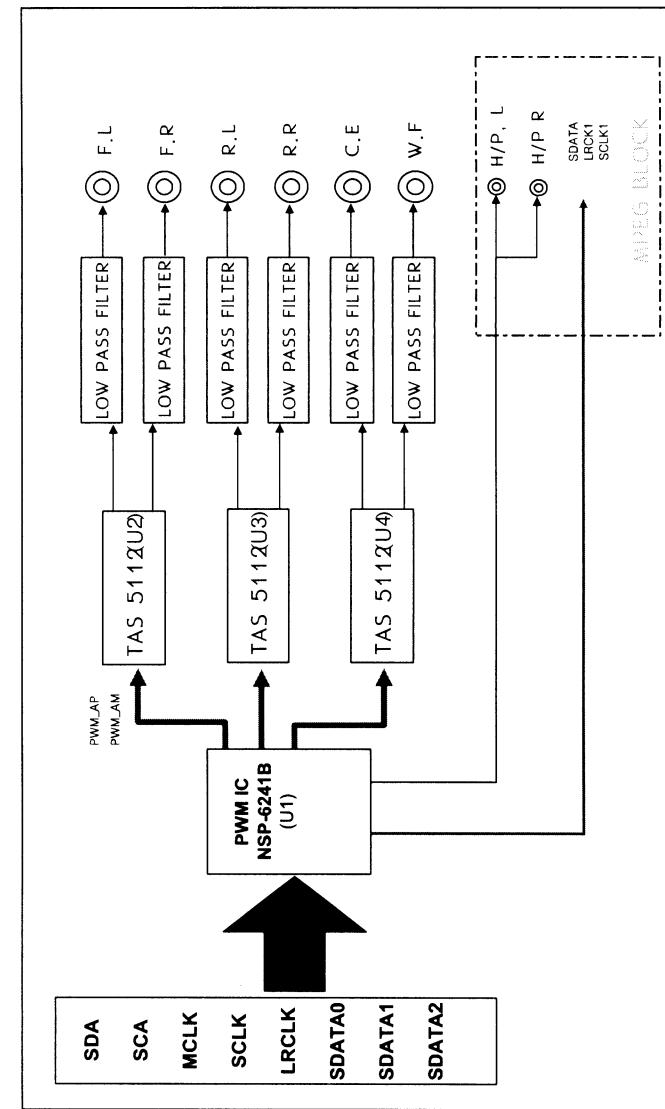


BLOCK DIAGRAM

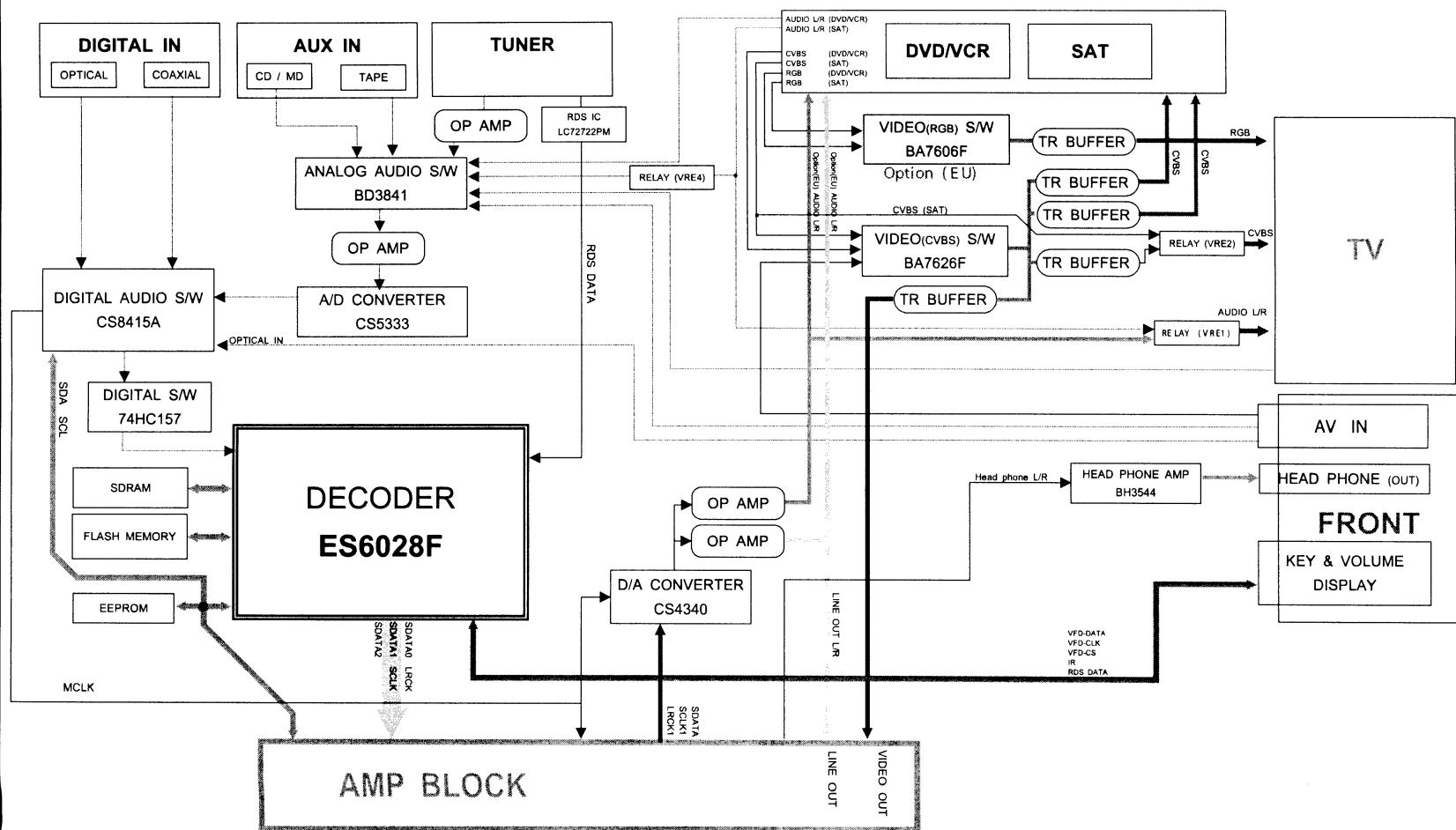
4-2 Power(SMPS) Block Diagram



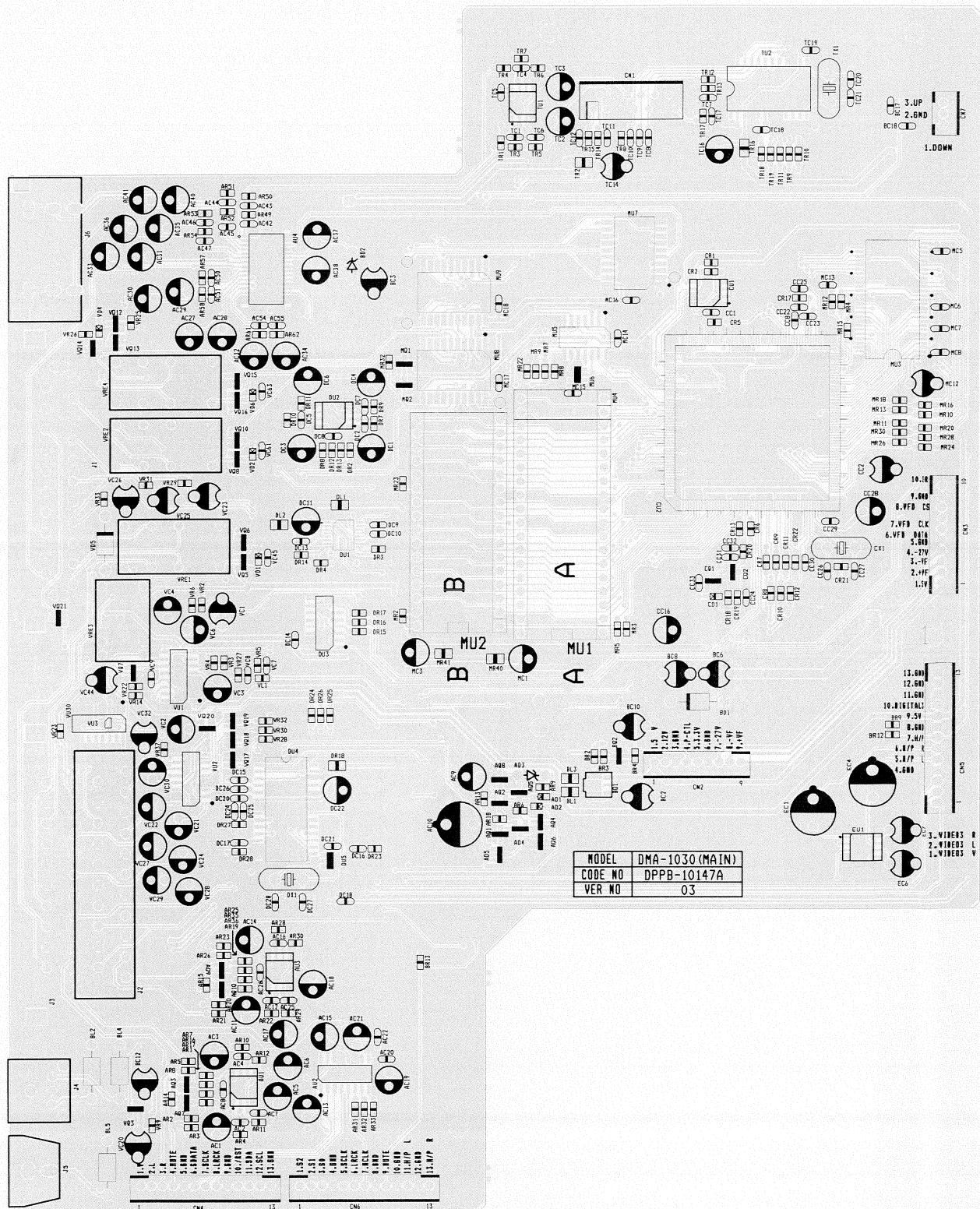
4-3 AMP Block Diagram



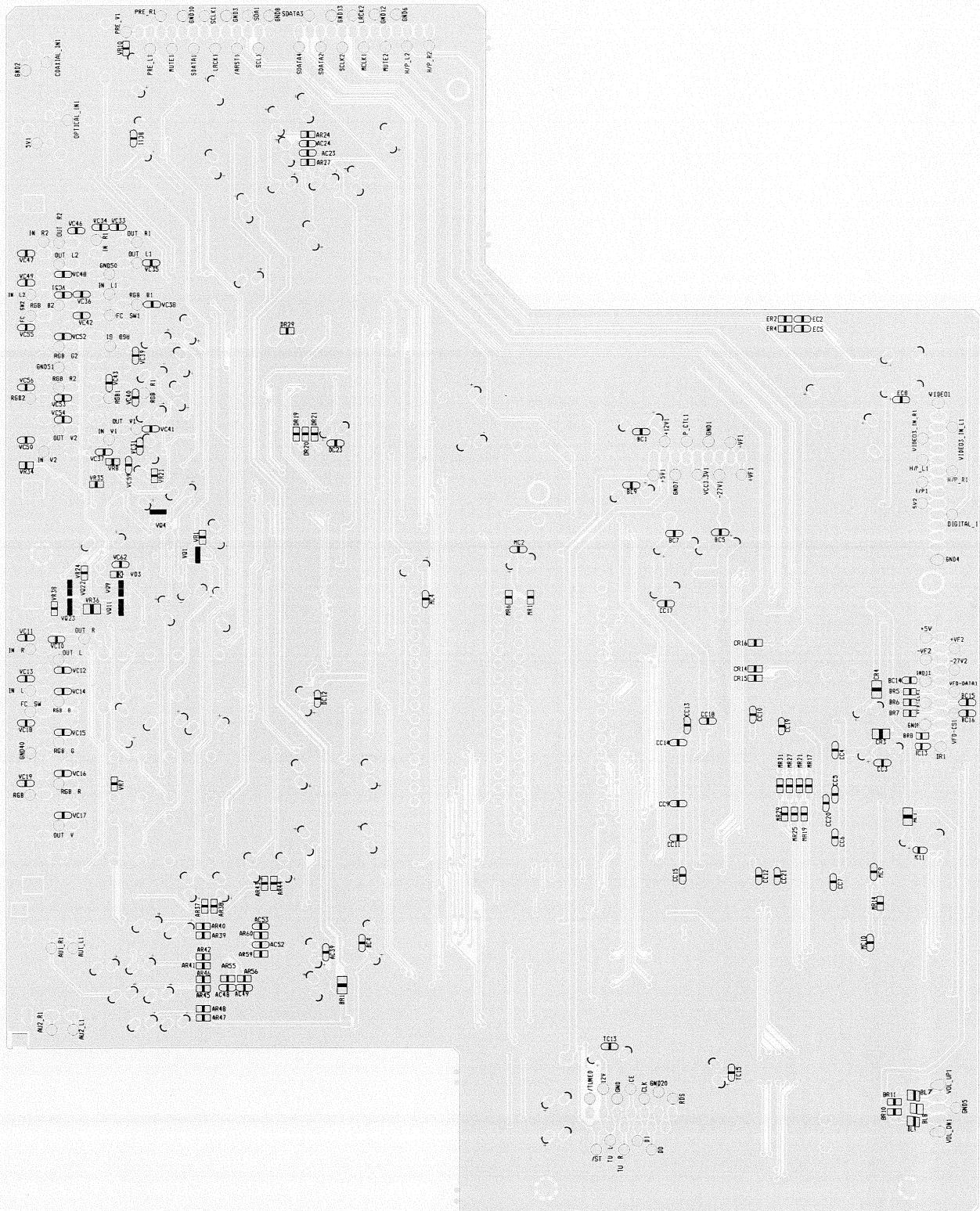
4-4 SERVO/MPEG Block Diagram



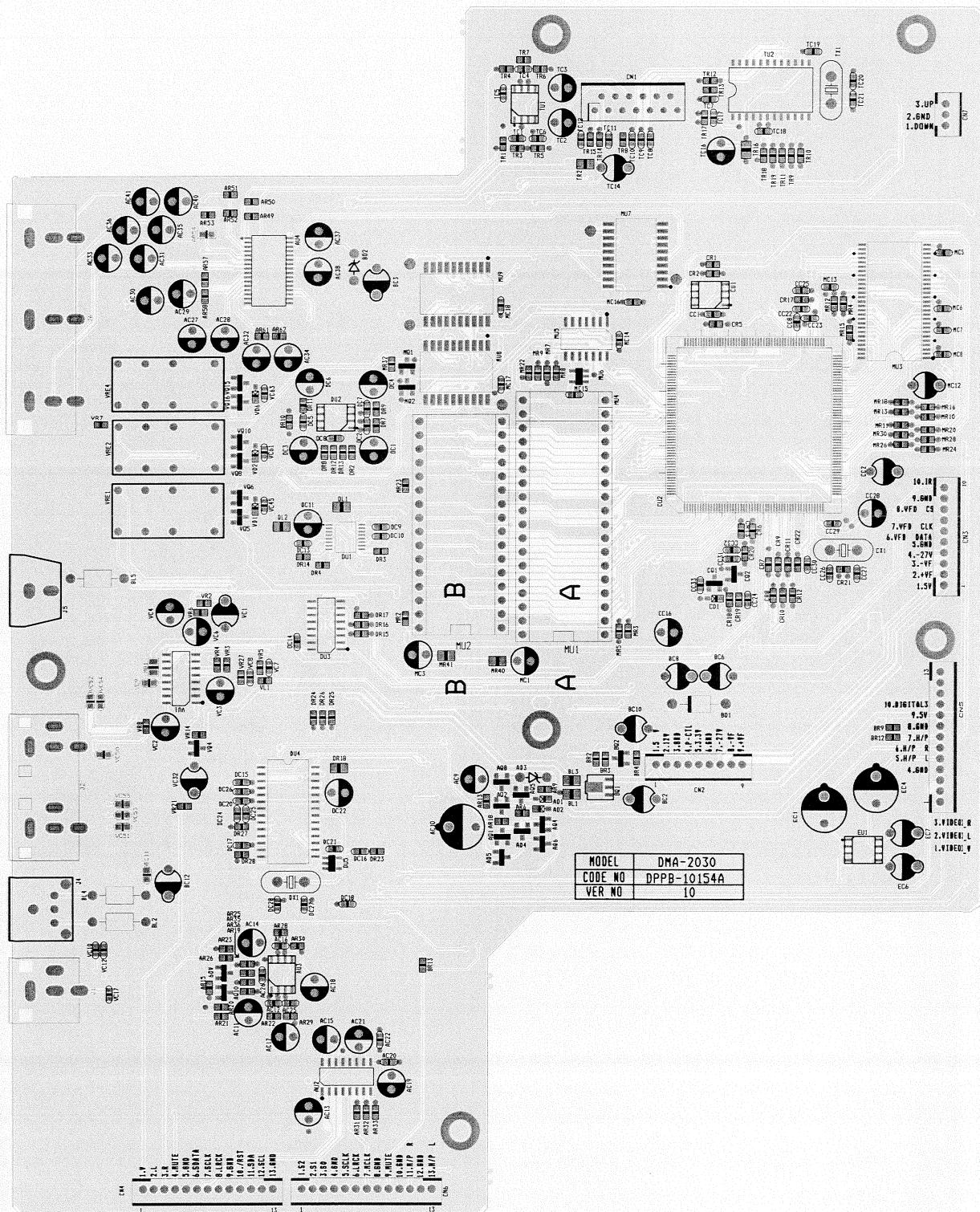
5-1 MPEG(EU) top



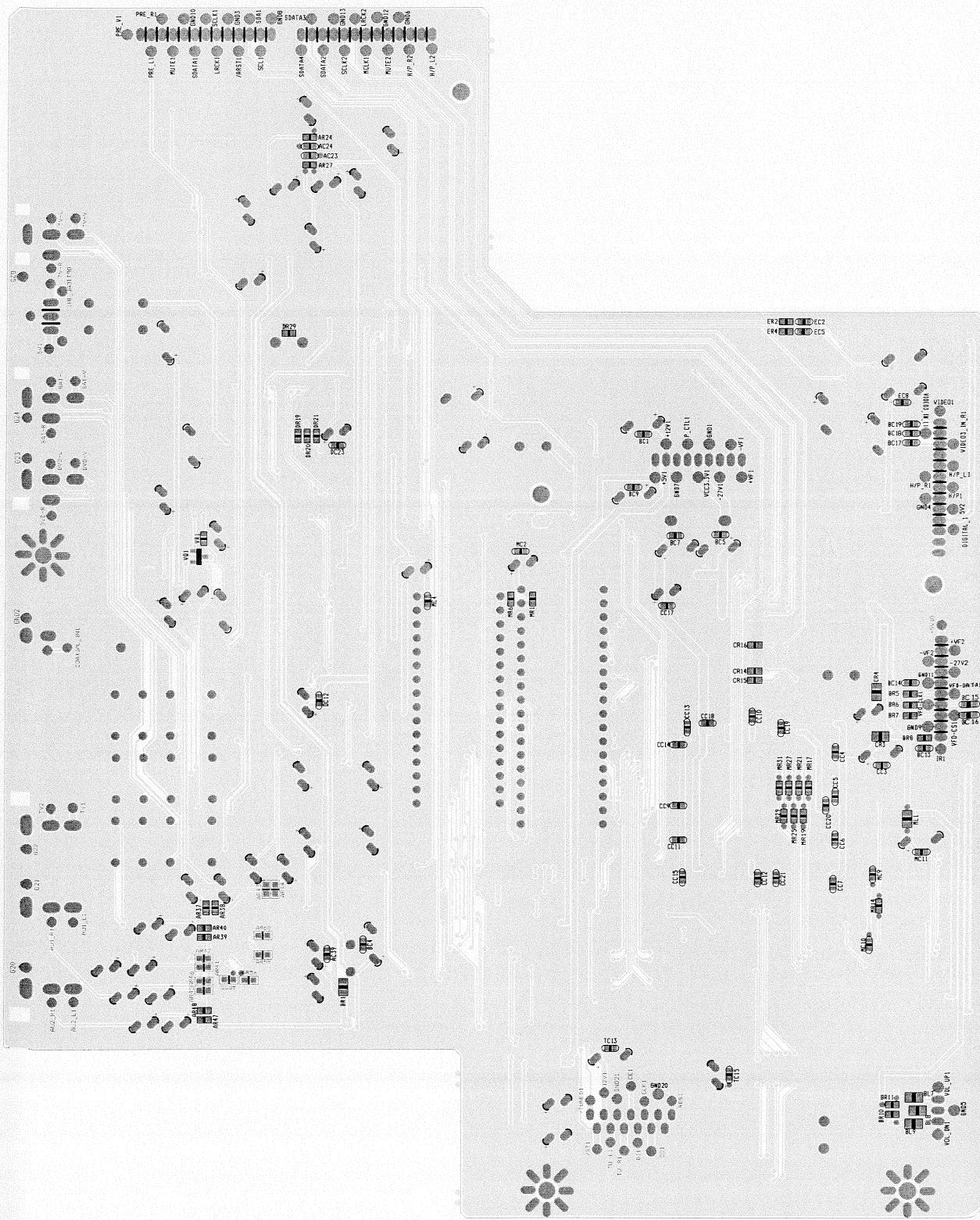
5-1-2 MPEG(EU) bottom



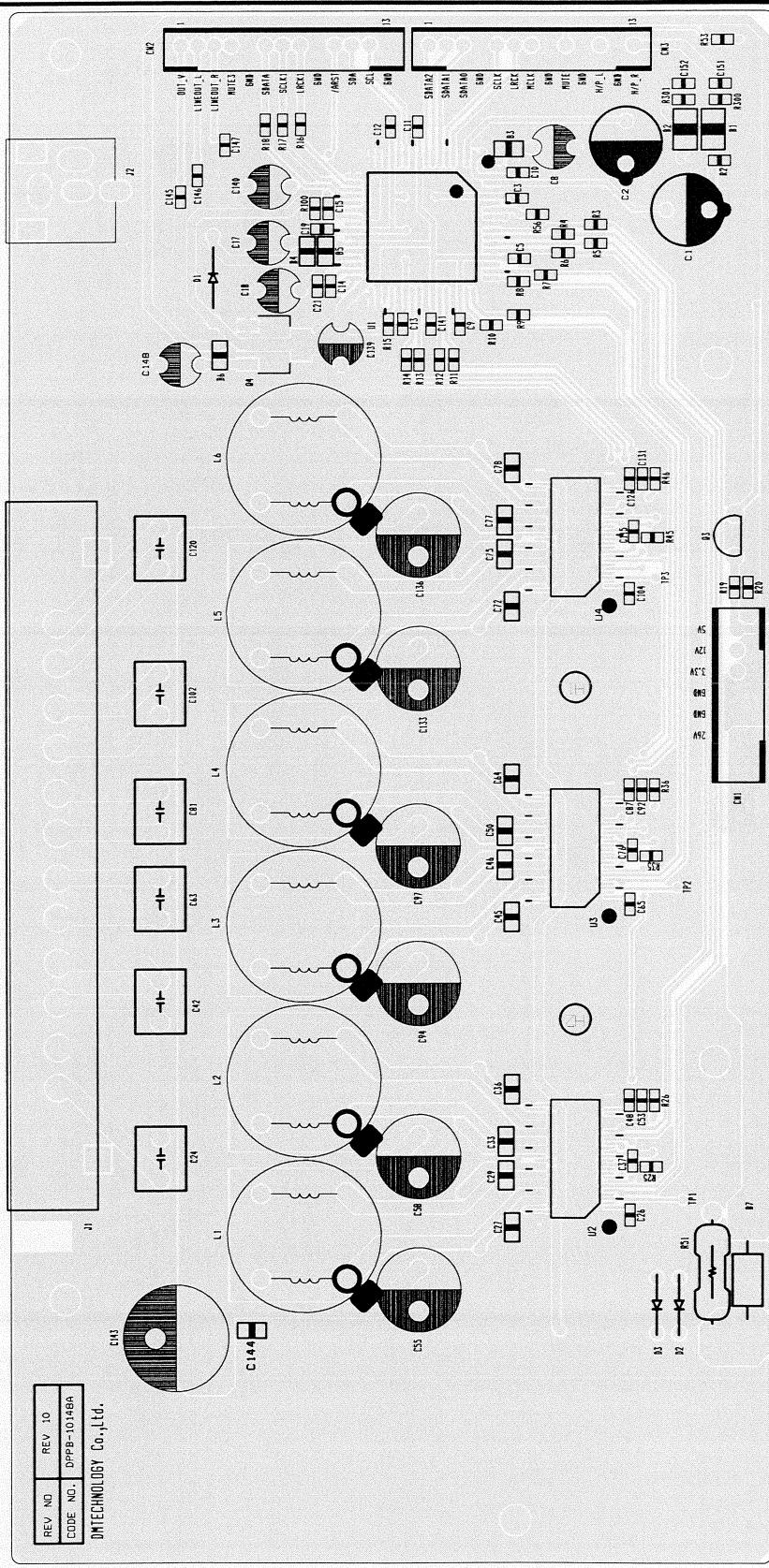
5-2 MPEG(USA, ASIA) top



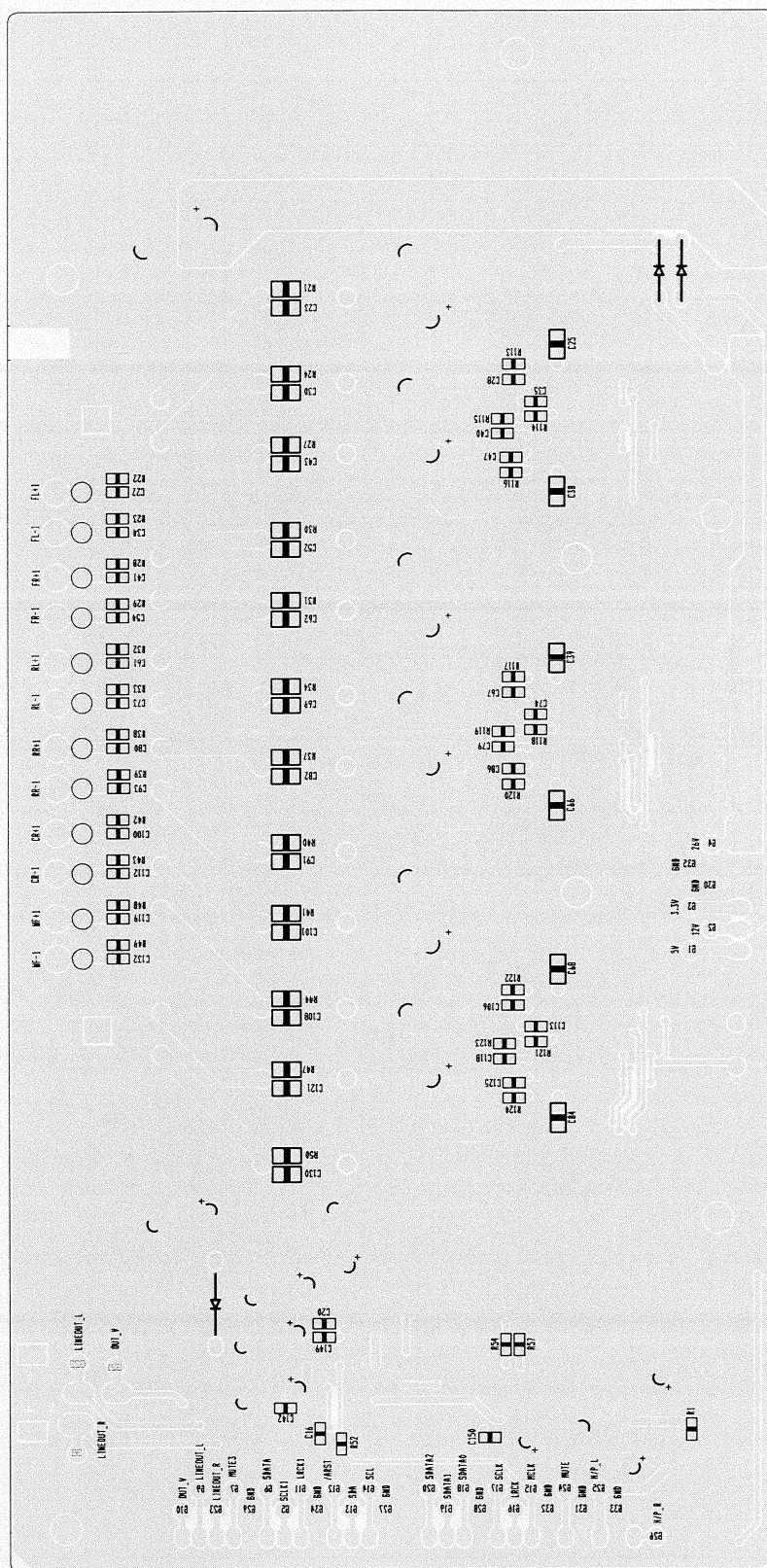
5-2-1 MPEG(USA, ASIA) bottom



5-3 AMP top

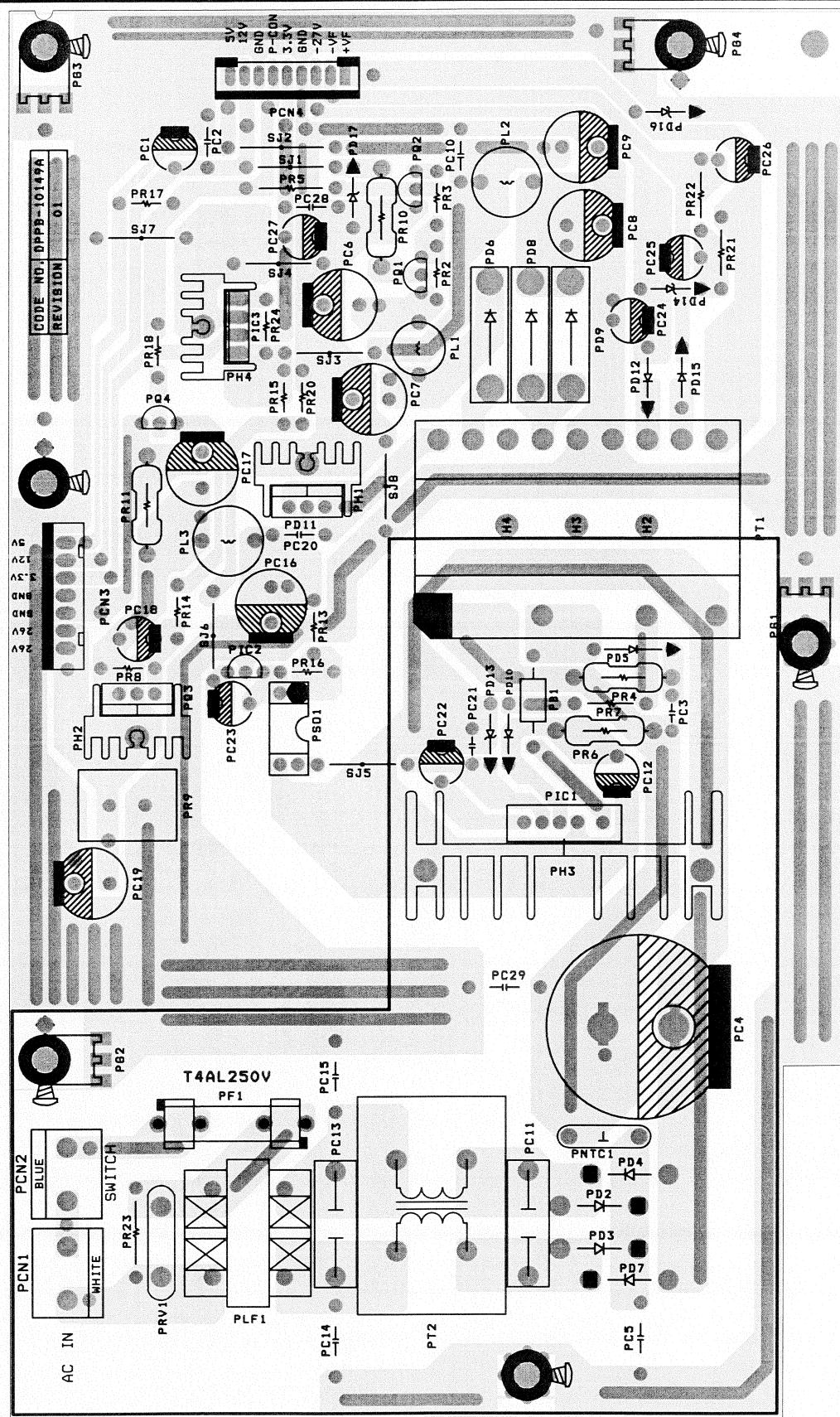


5-3-1 AMP bottom

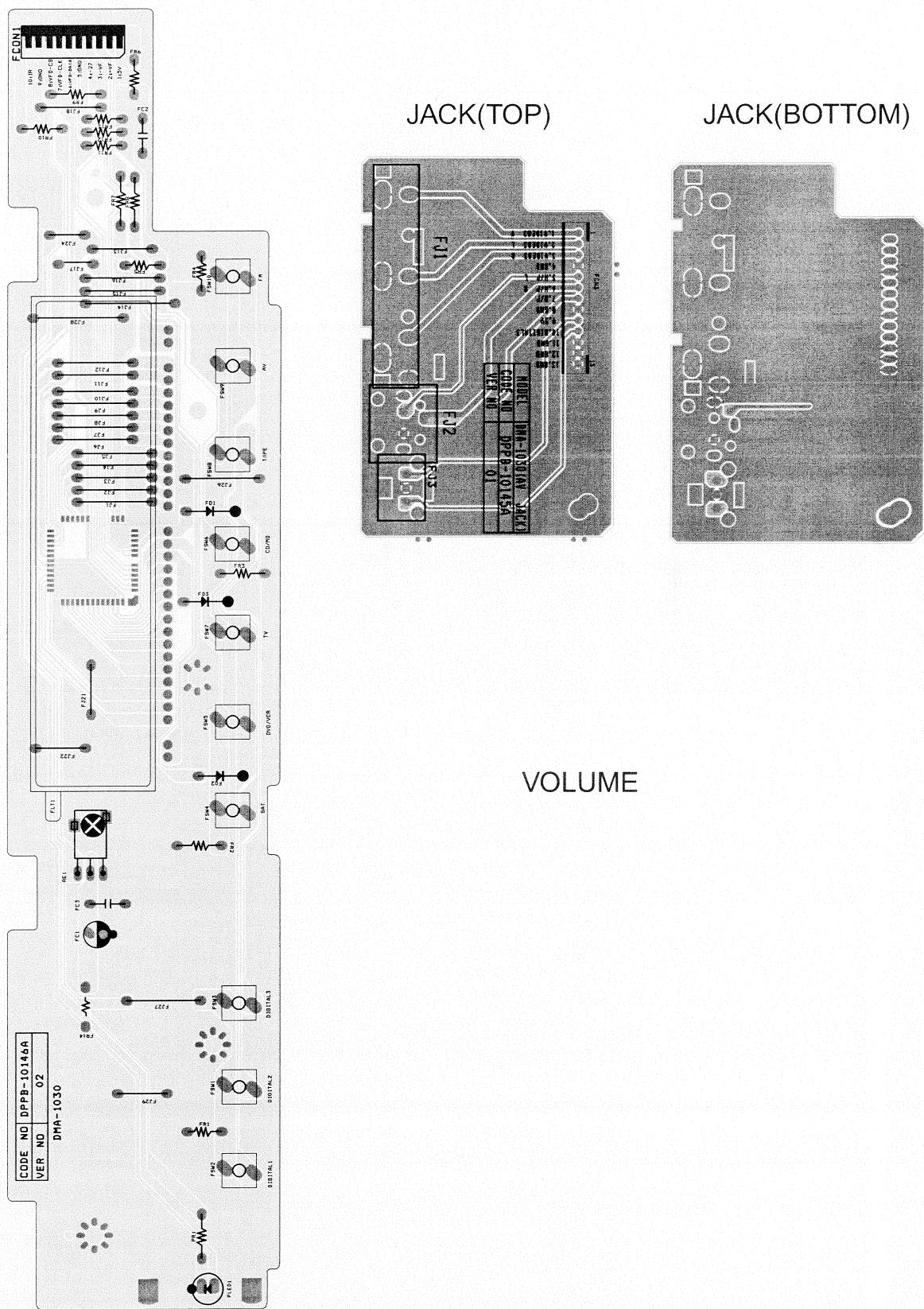


5-3-1

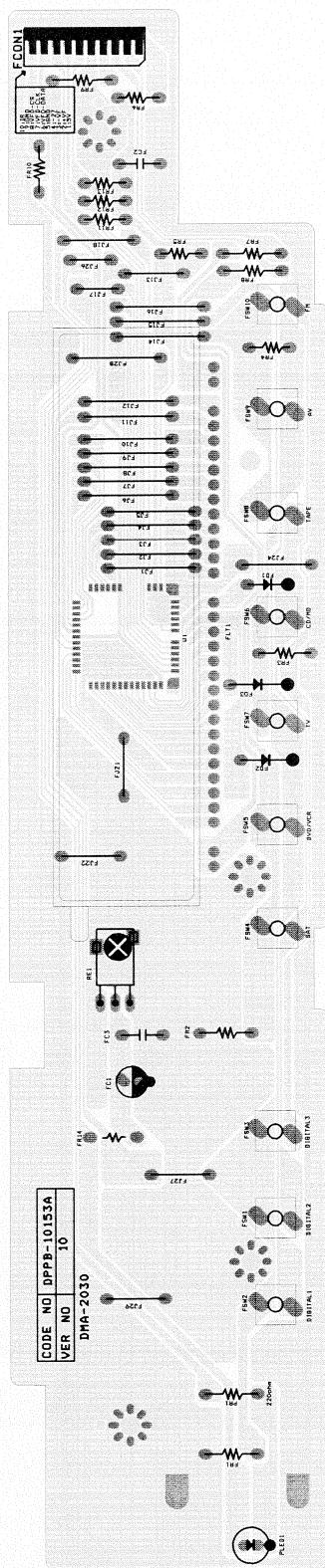
5-4 POWER



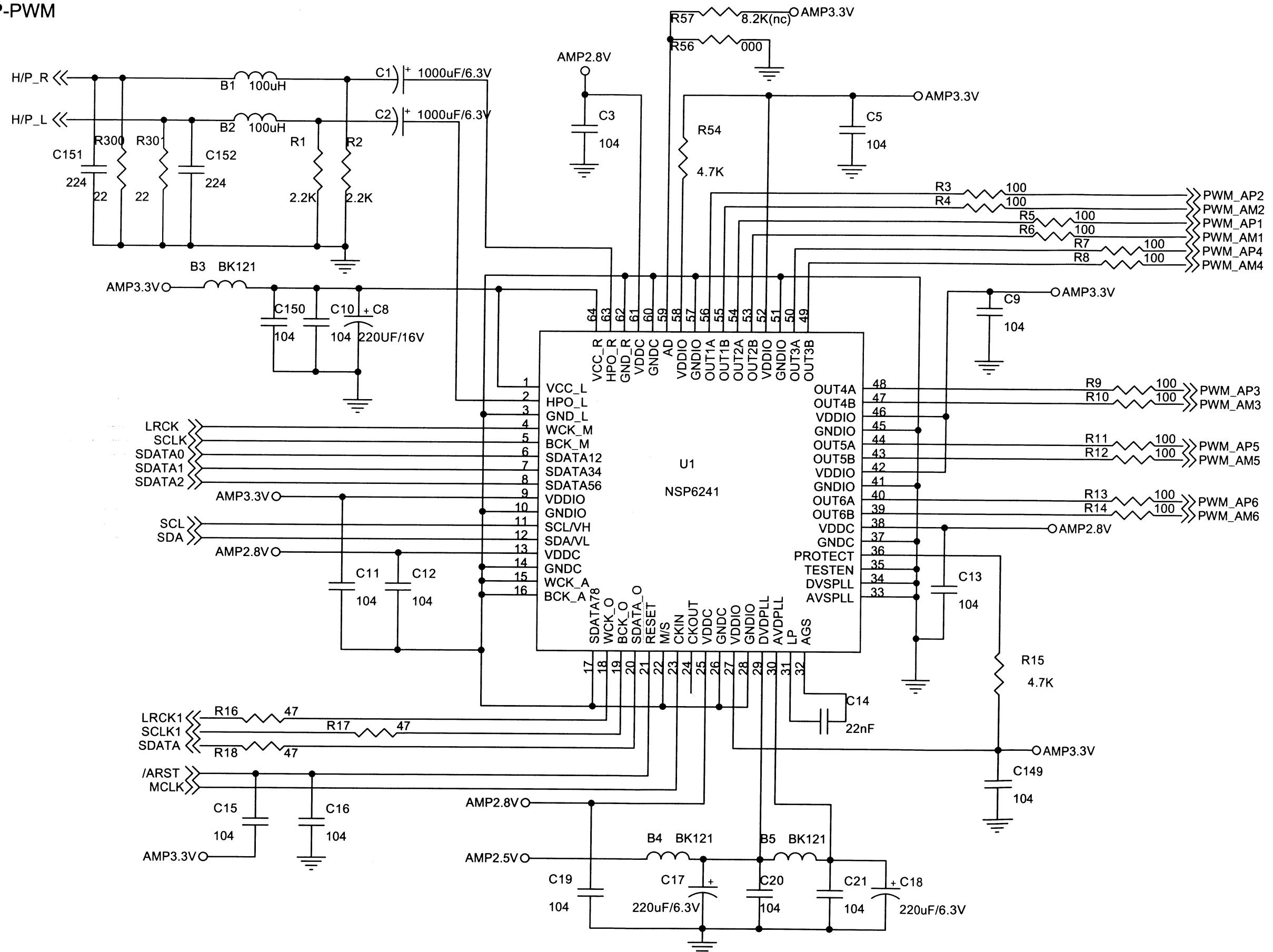
5-5 FRONT(DMA-1030)



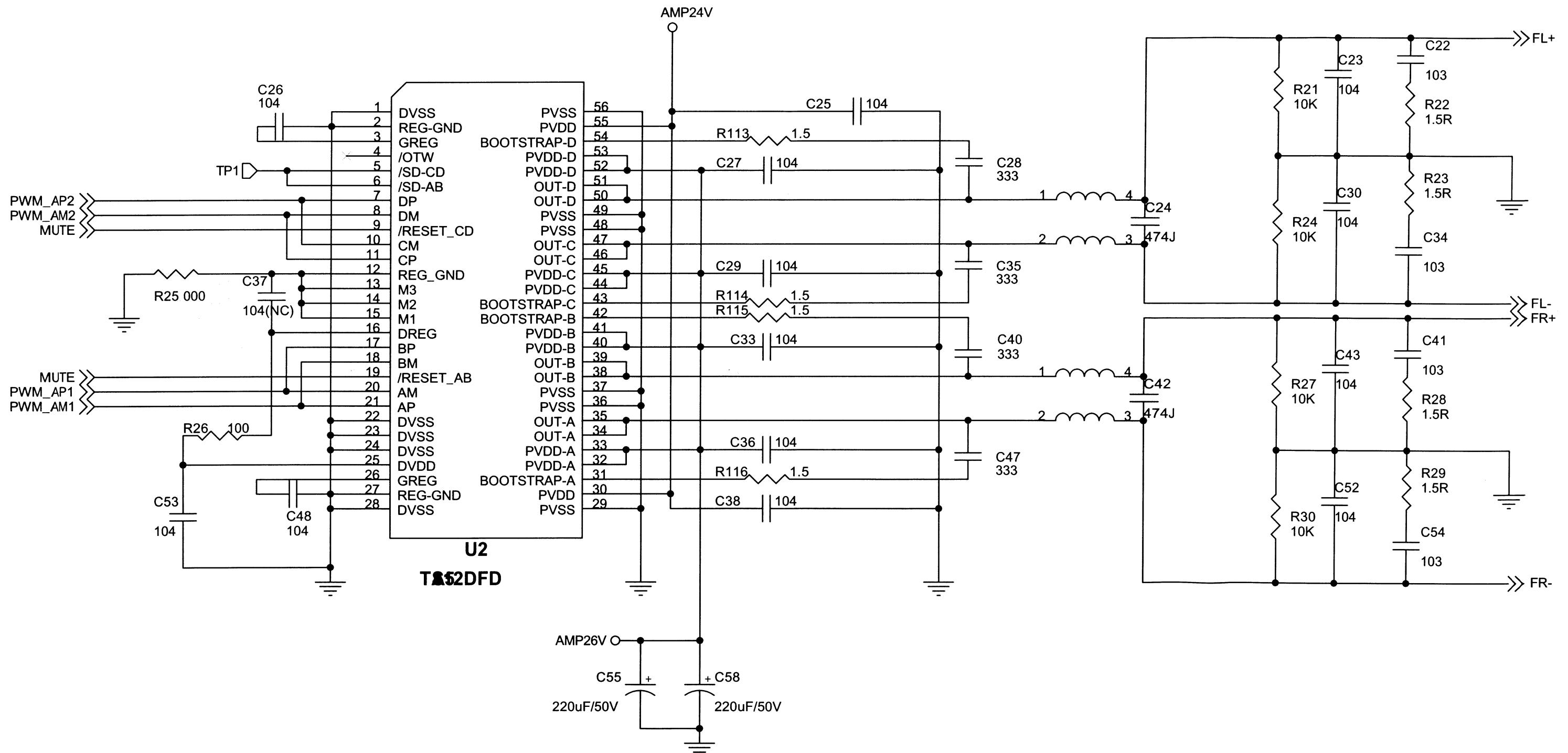
5-5-1 FRONT(DMA-2030)



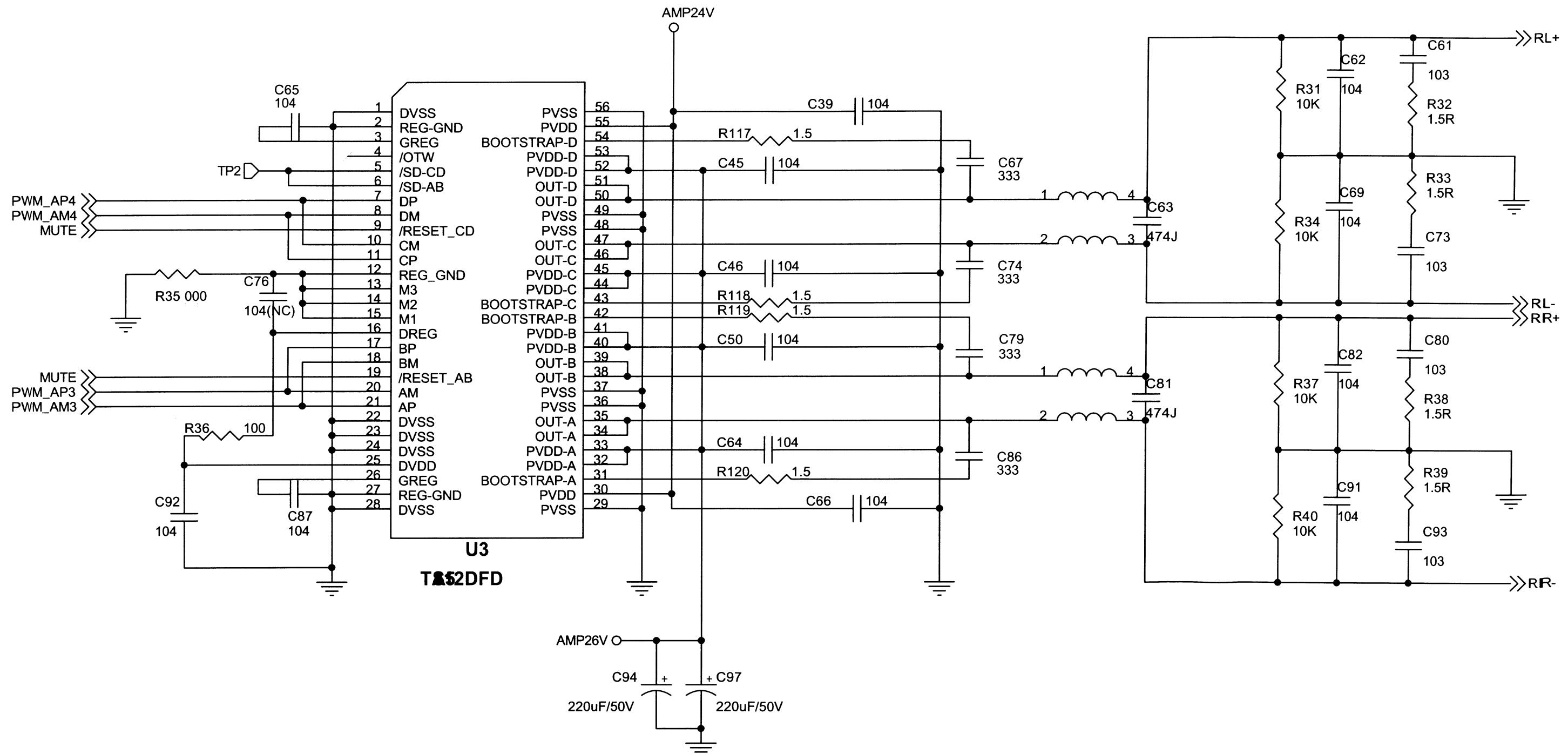
6-1 AMP-PWM



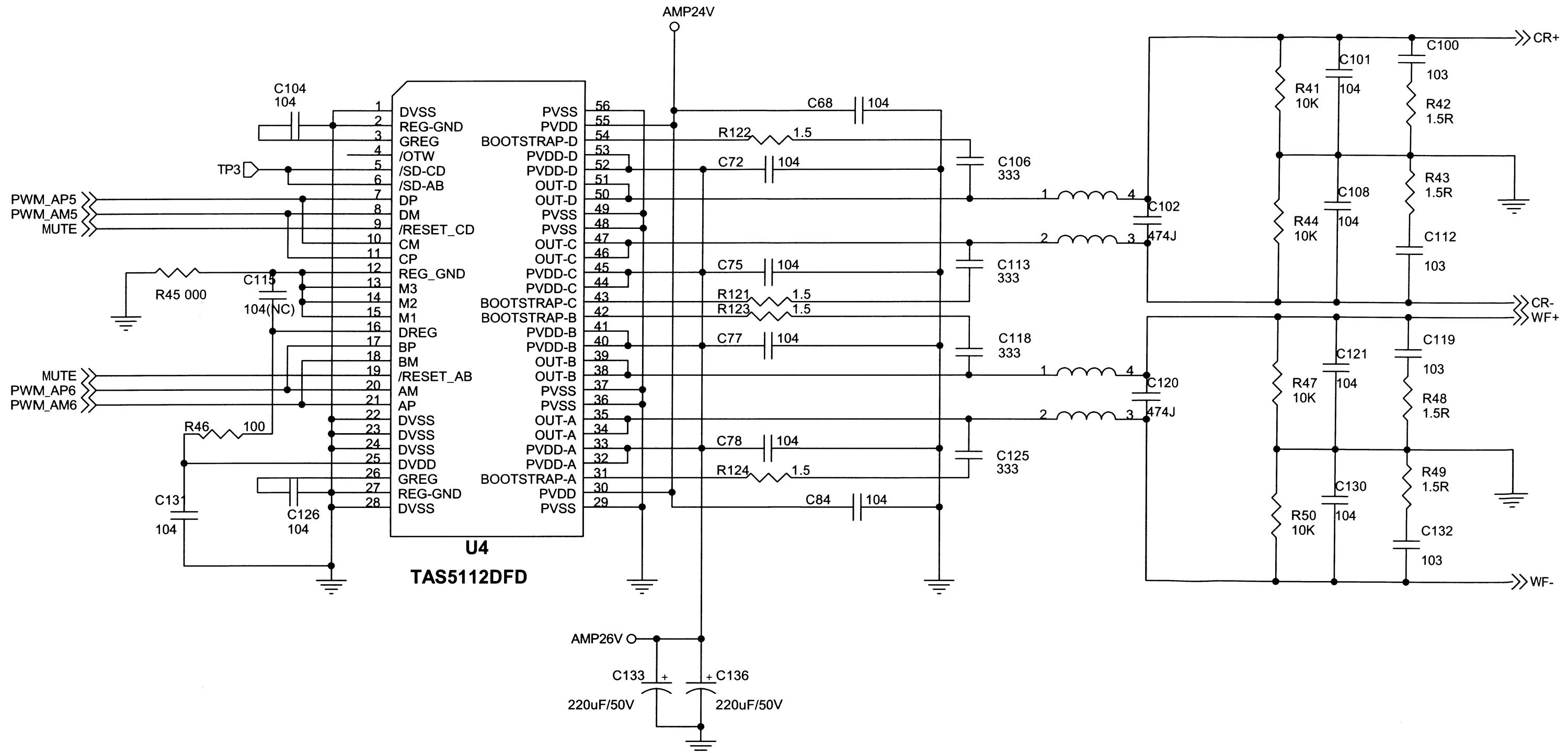
6-2 AMP- FL & FR



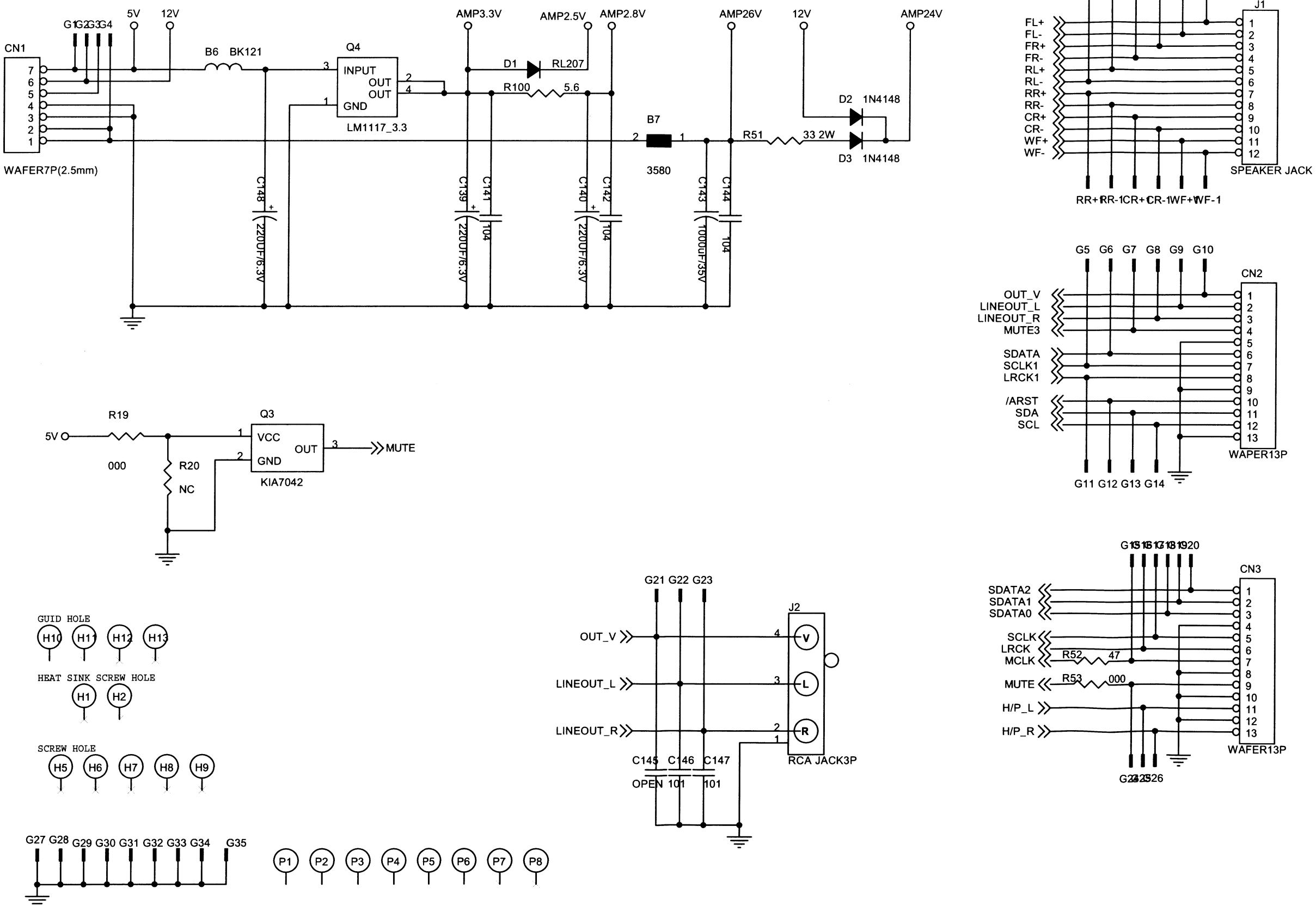
6-3 AMP-RL & RR



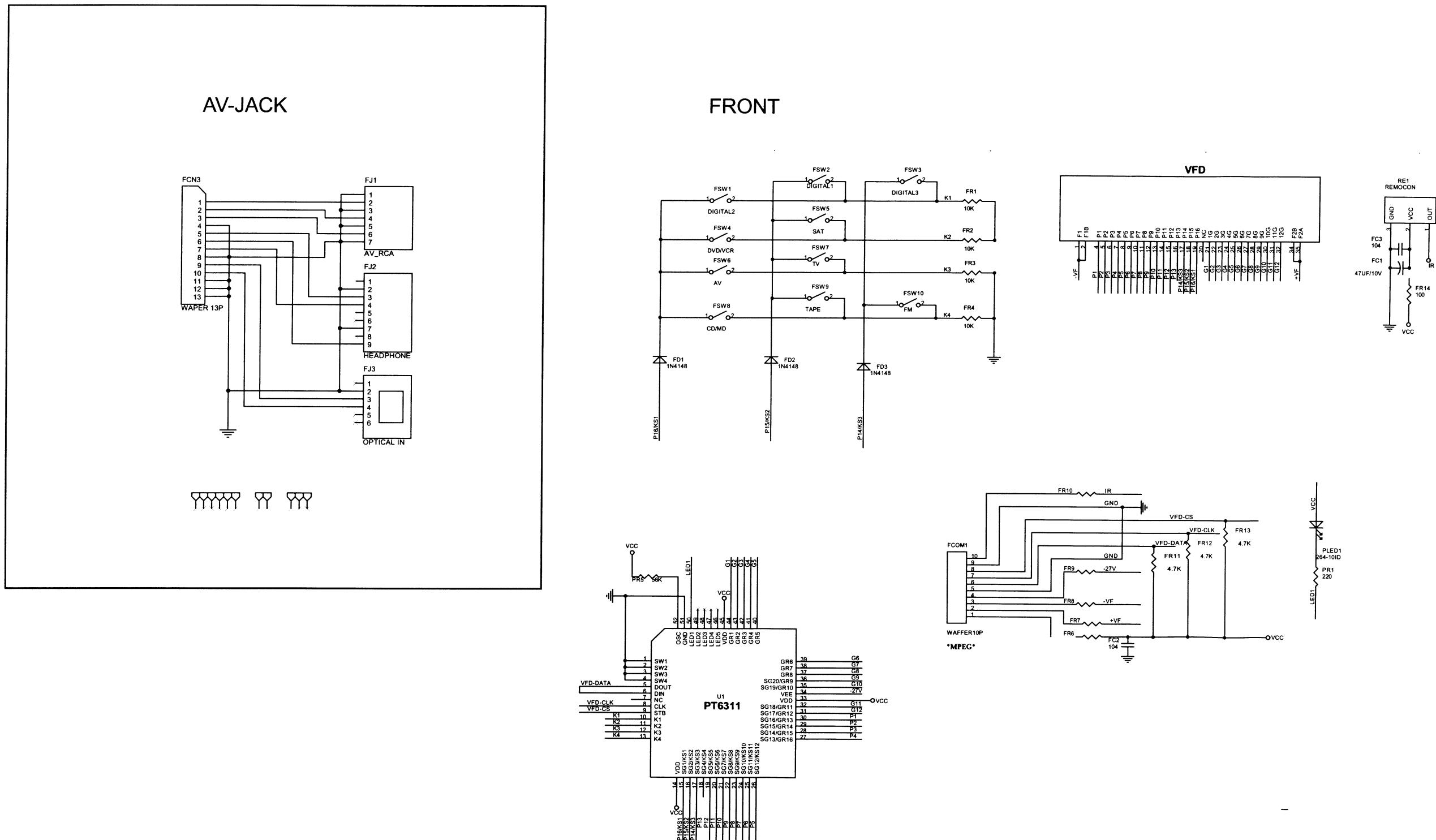
6-4 AMP-CENTER & WOOFER



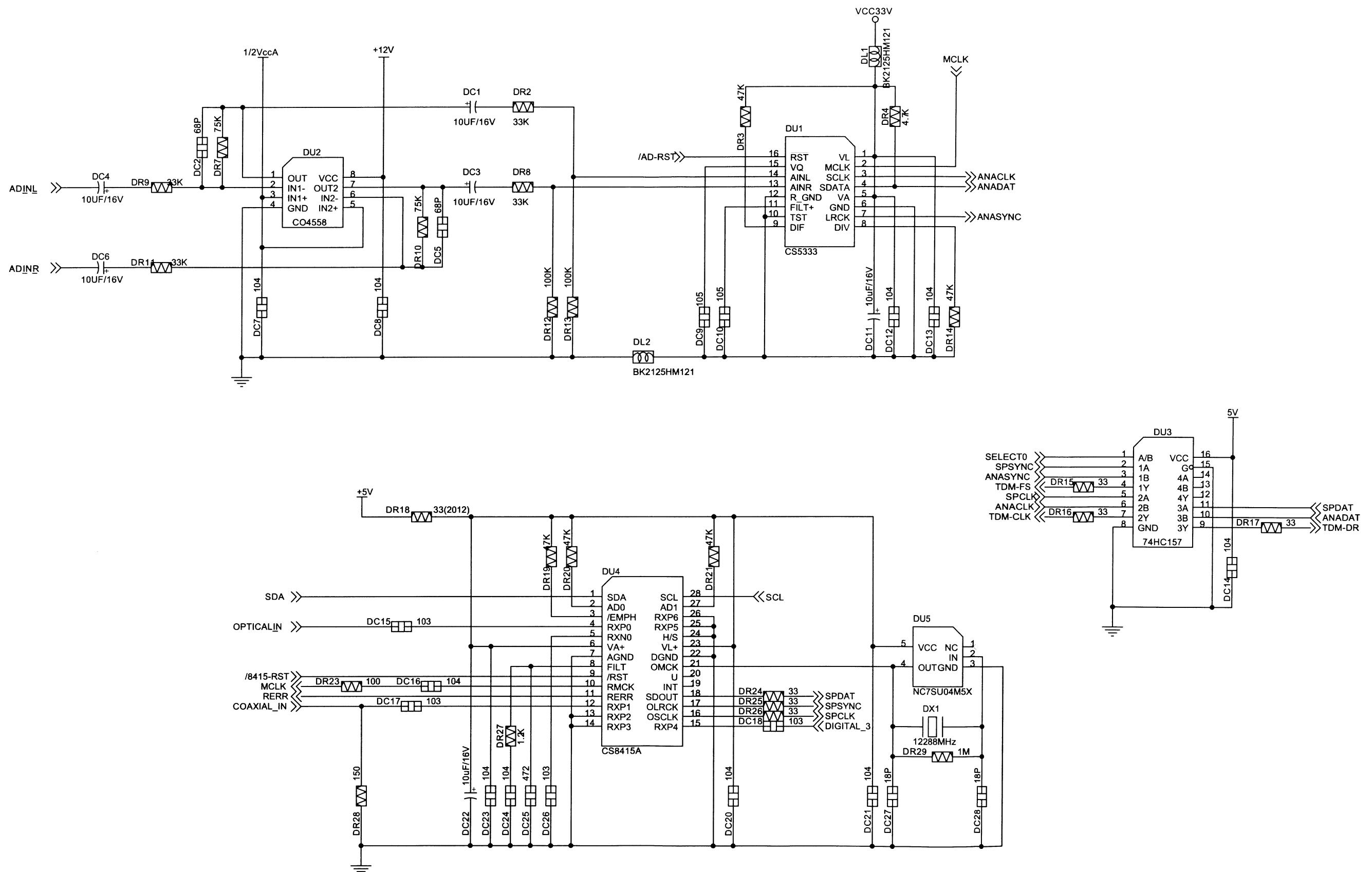
6-5 AMP-CONNECTOR & MUTE



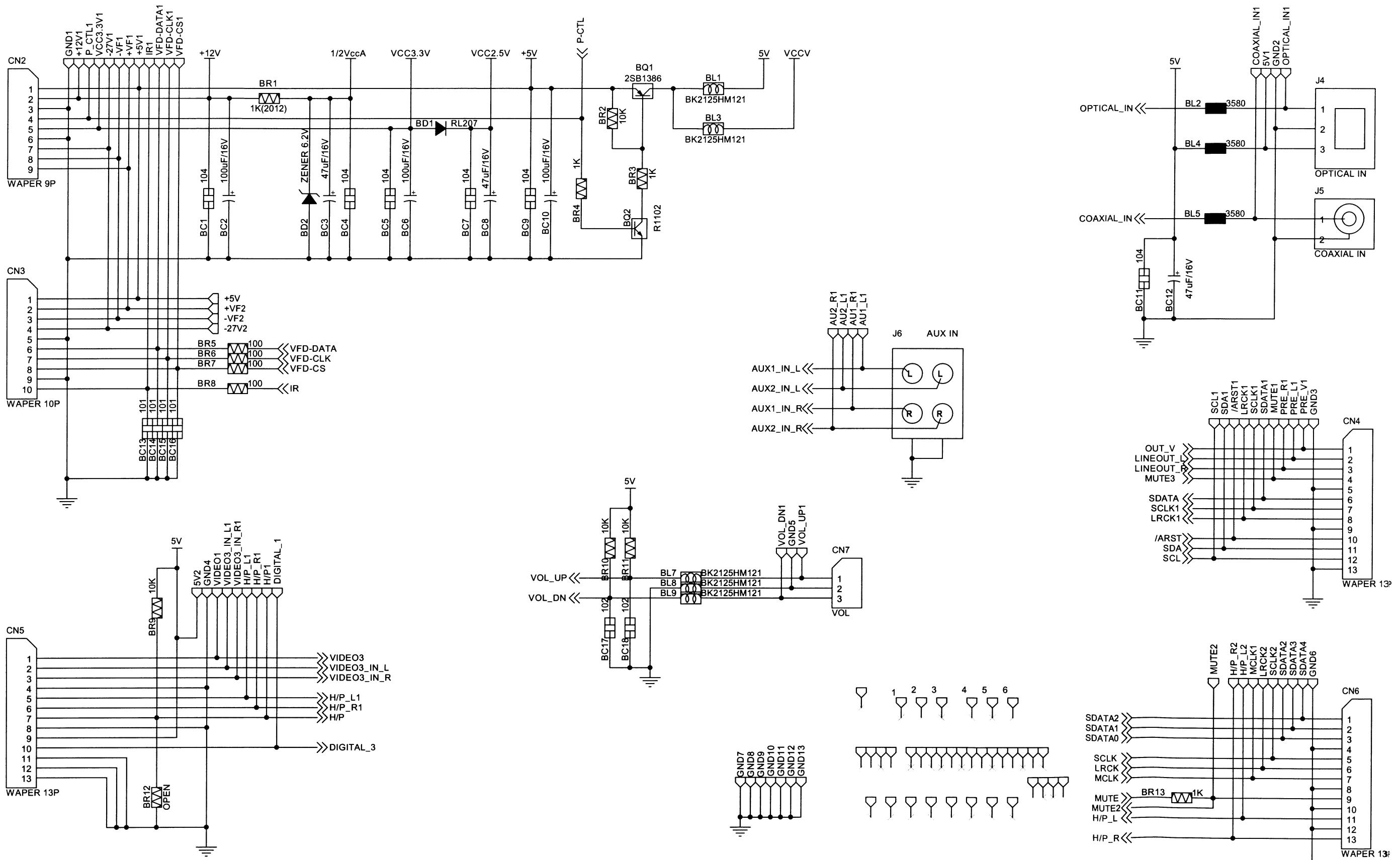
6-6 FRONT



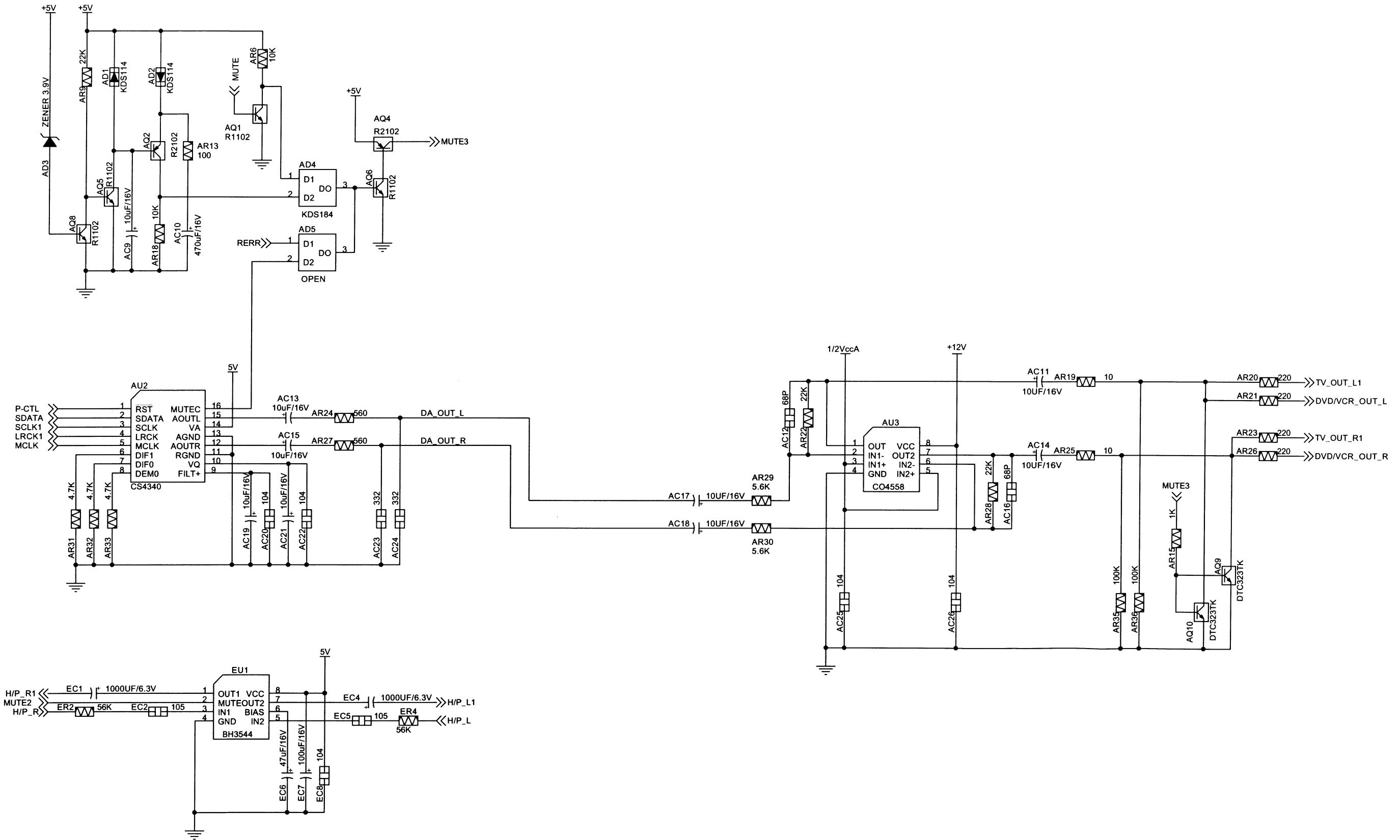
6-7 MPEG(EU) ADC & Digital Switch



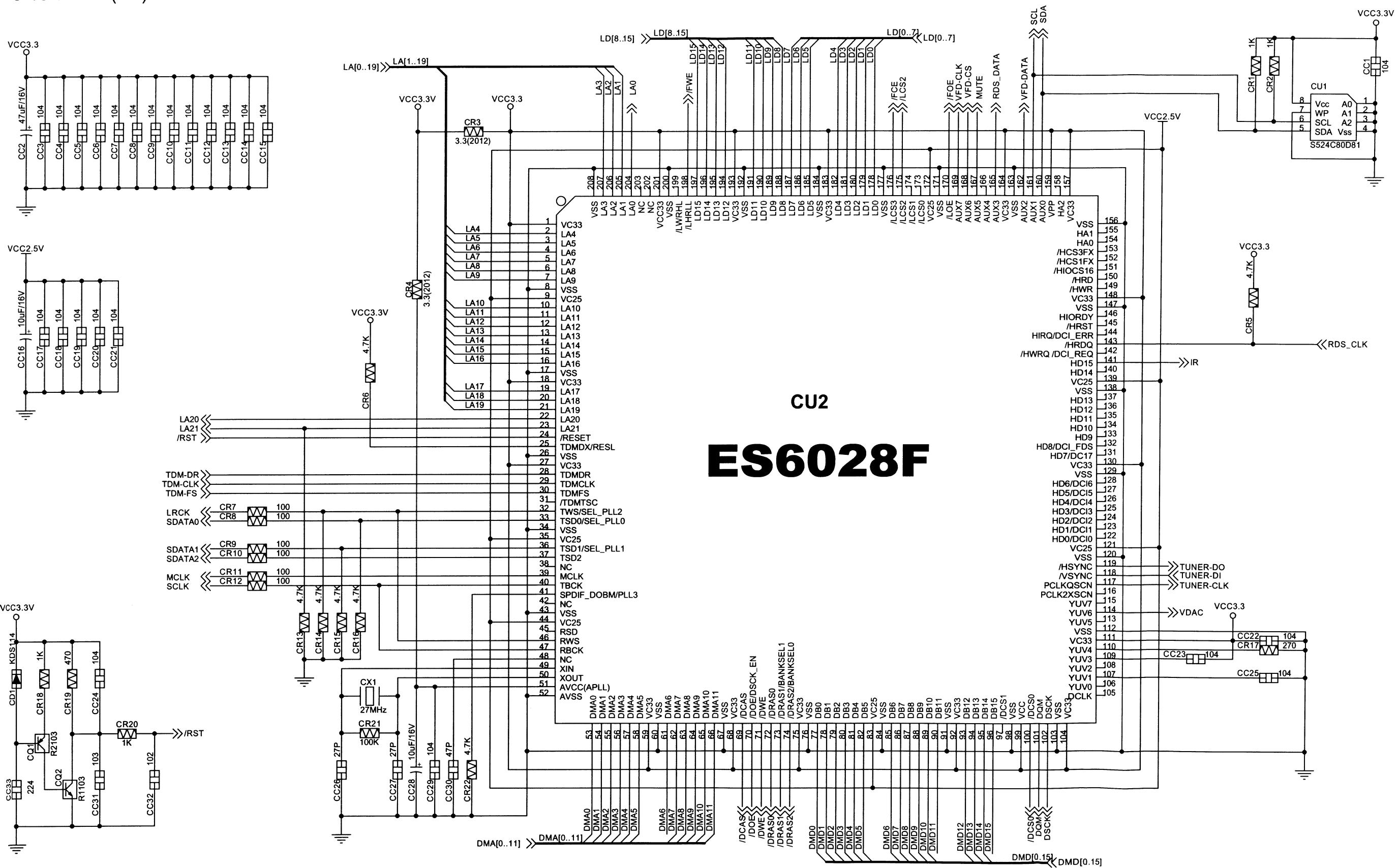
6-8 MPEG(EU) CONNECTOR



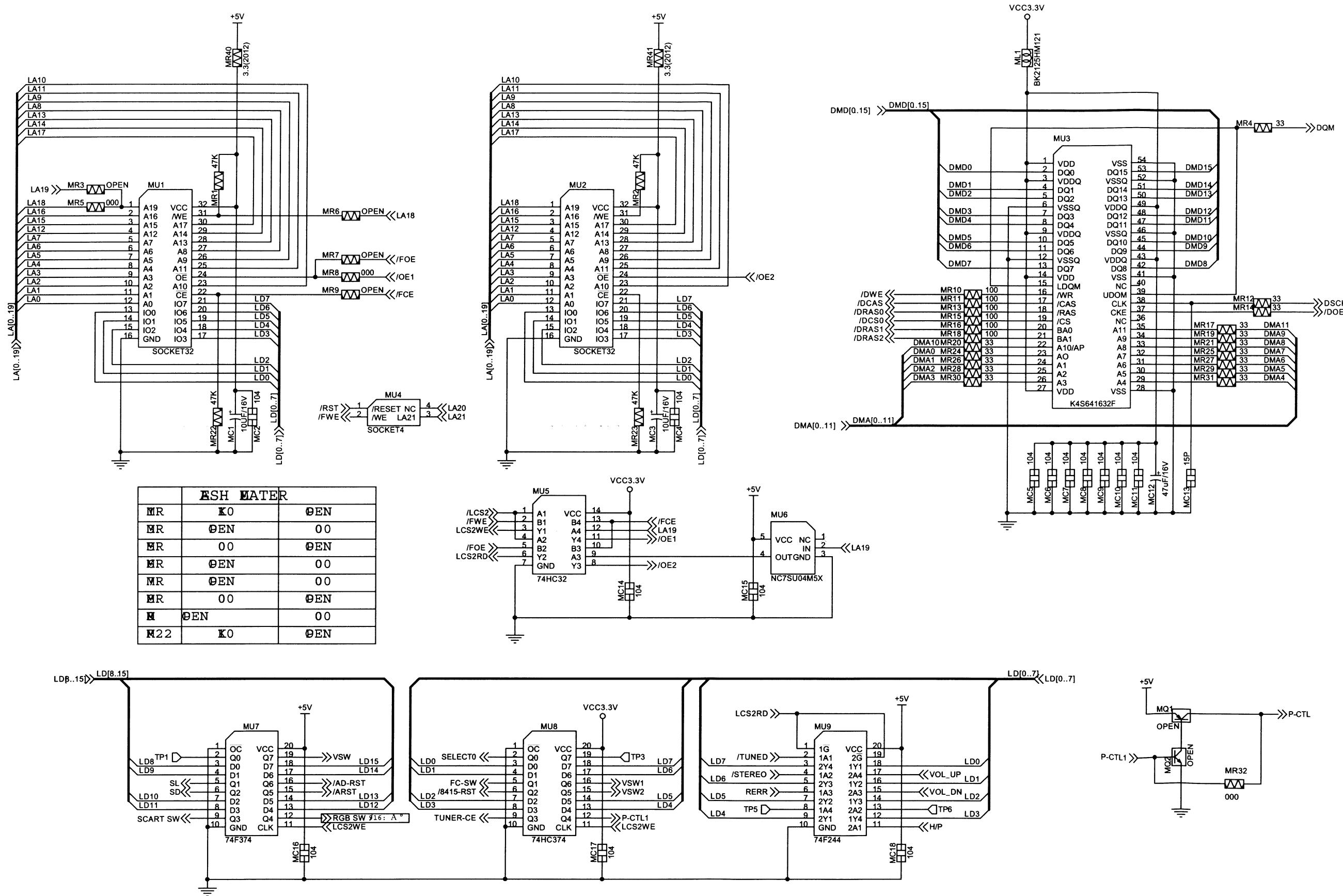
6-9 MPEG(EU)DAC &MUTE & AUDIO OUT



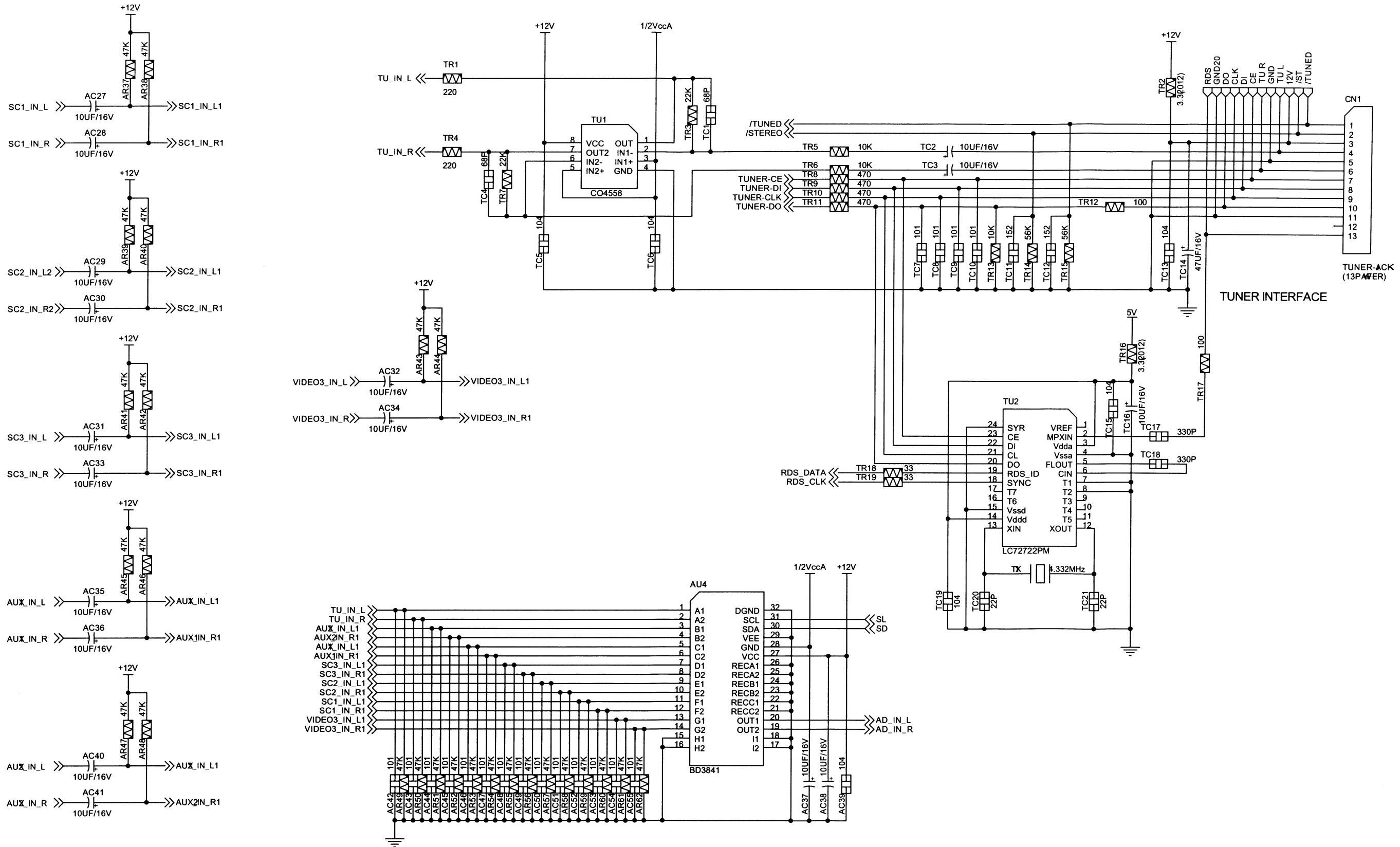
6-10 MPEG(EU) Decoder



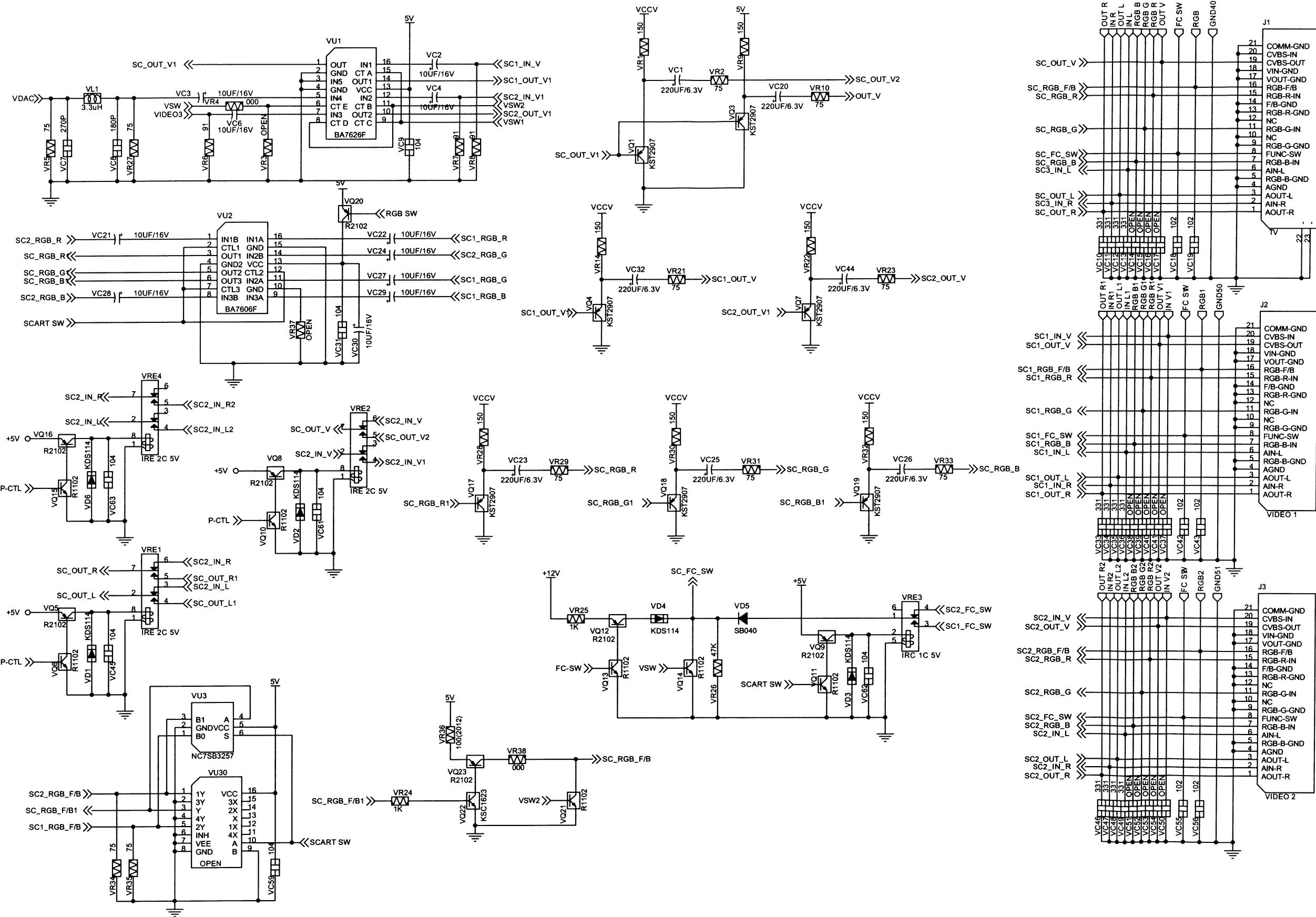
6-11 MPEG(EU) MEMORY



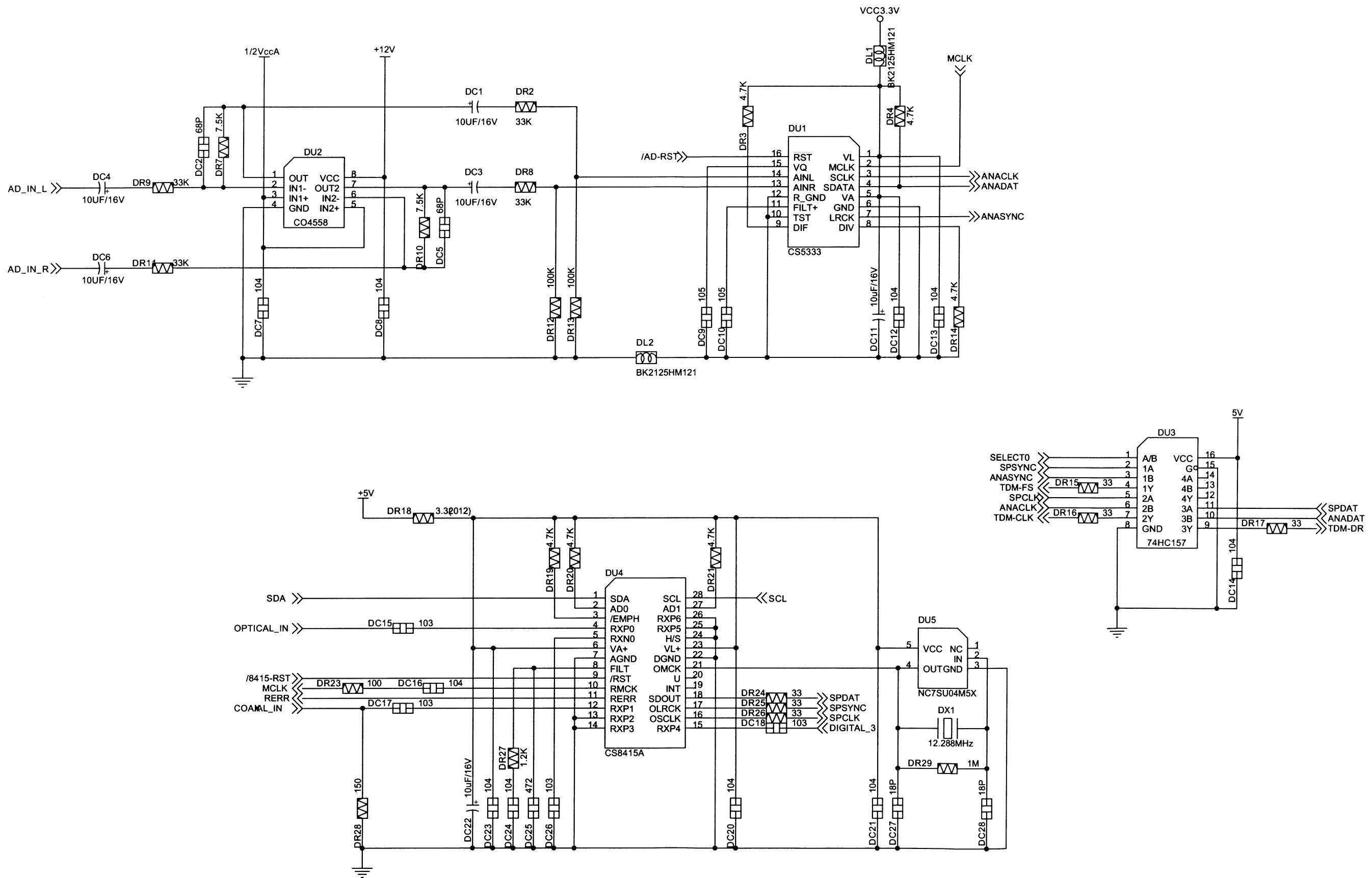
6-12 MPEG(EU) TUNER & AUDIO Switch



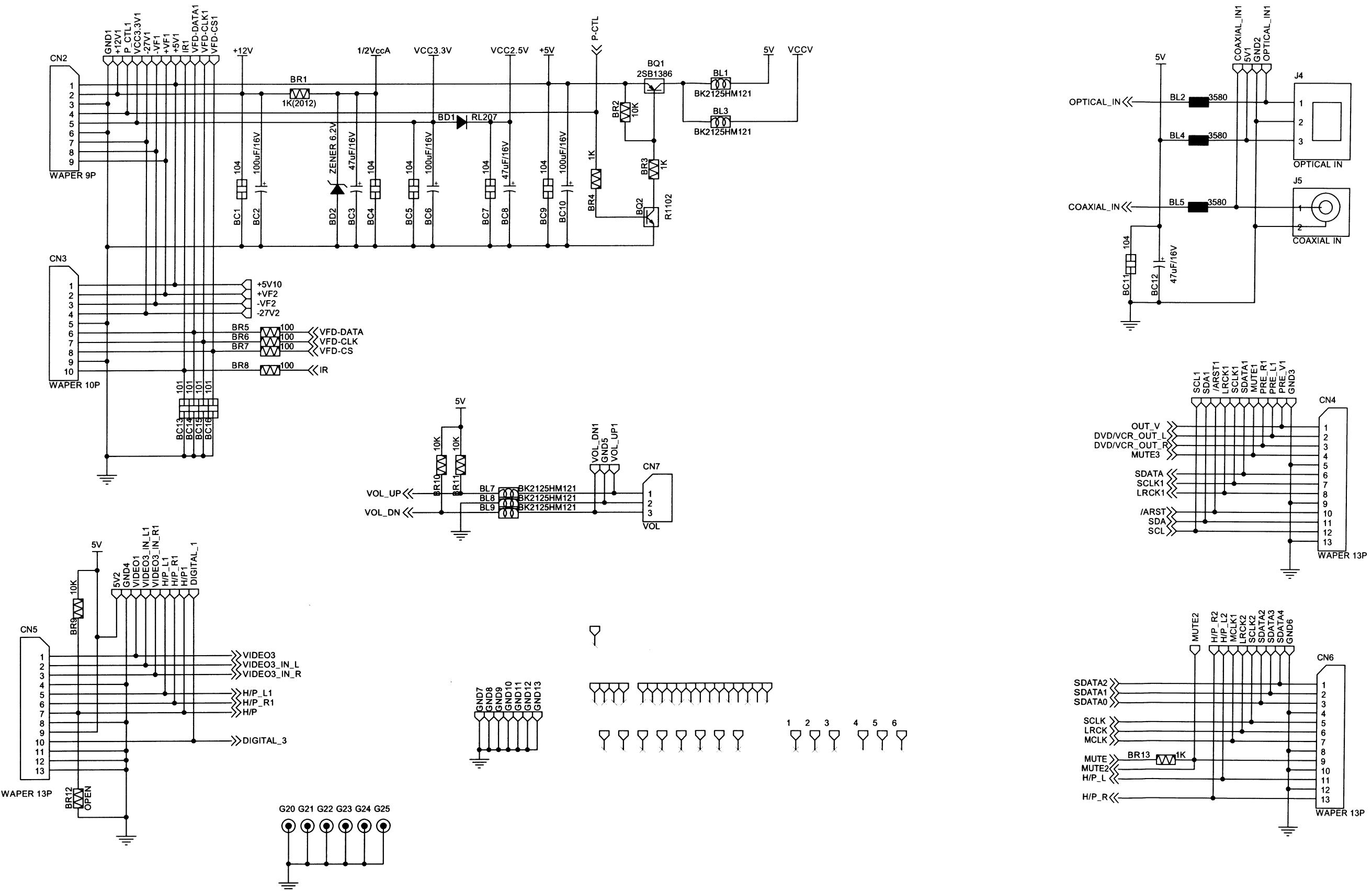
6-13 MPEG(EU) VIDEO & SCART & RELAY



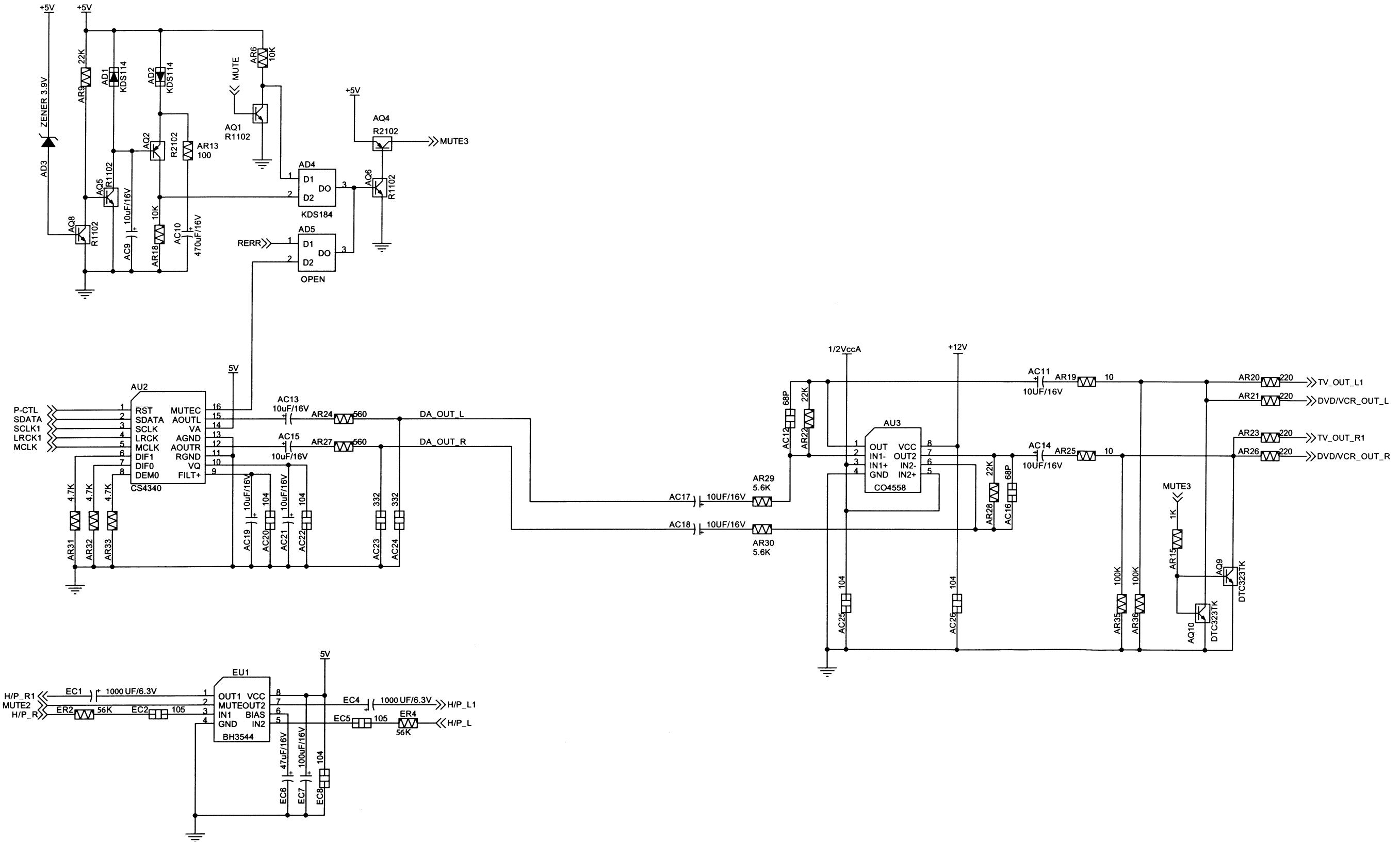
6-14 MPEG(USA ASIA) ADC & DIGITAL SWITCH



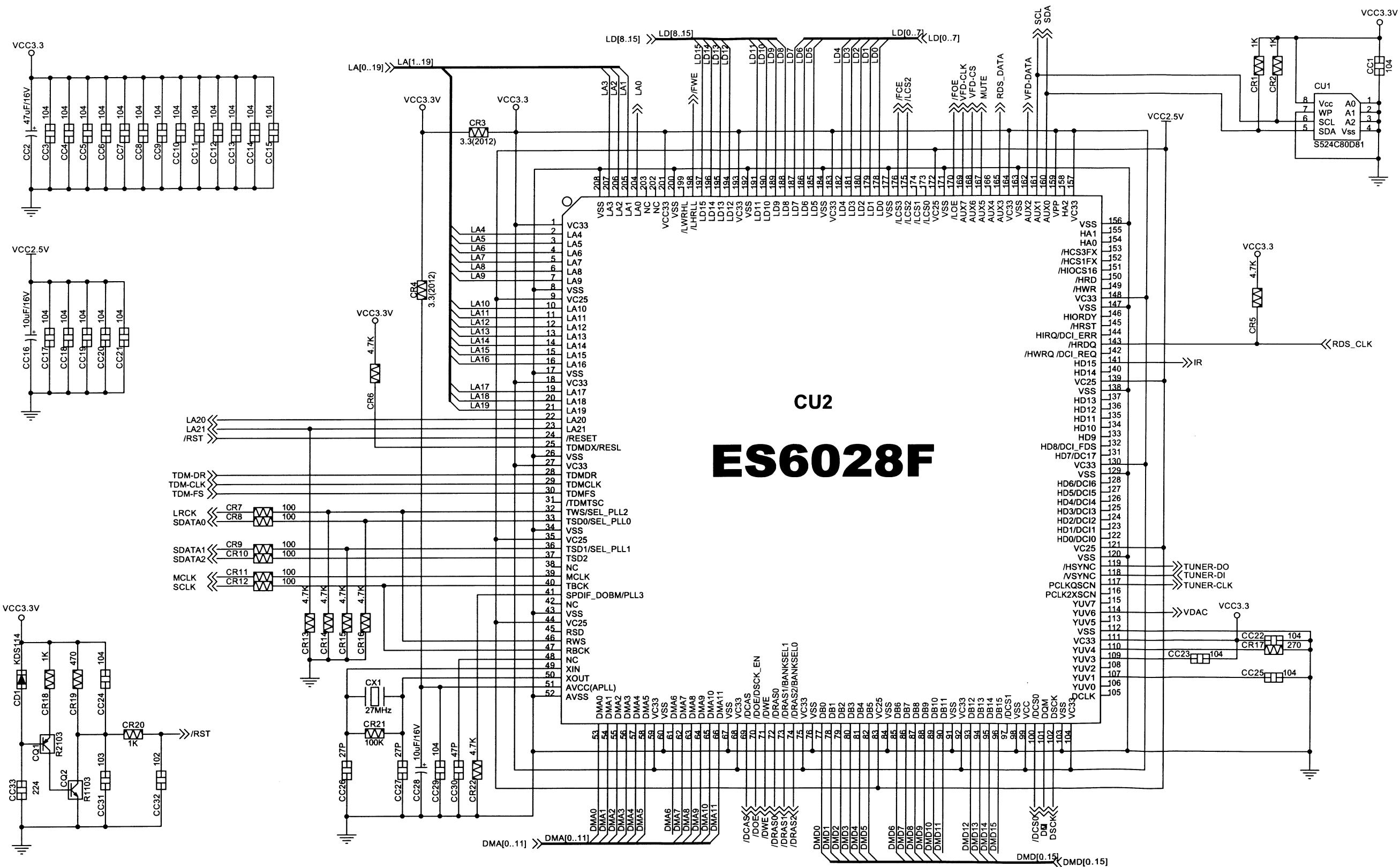
6-15 MPEG(USA ASIA) CONNECTOR



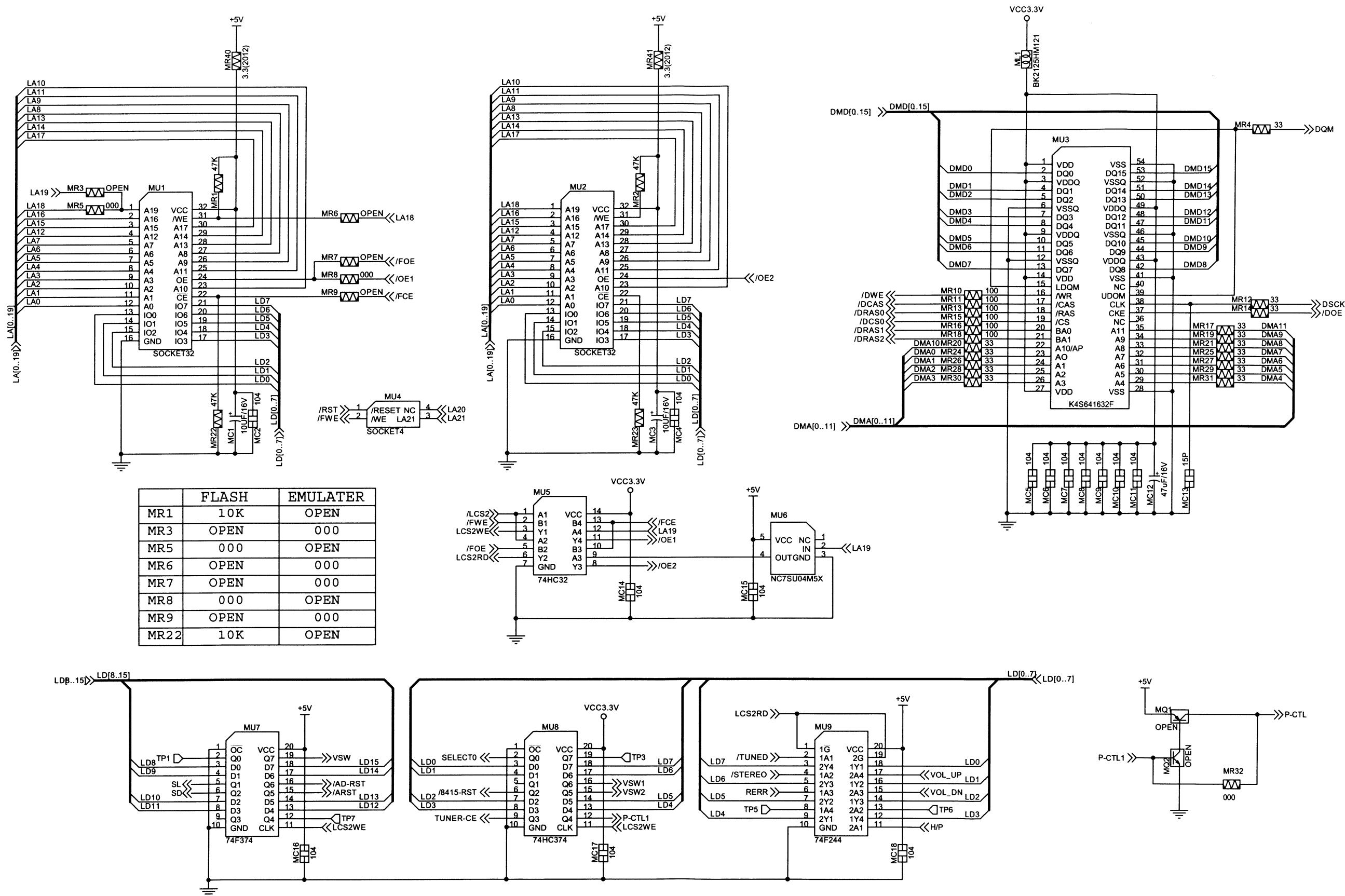
6-16 MPEG(USA ASIA) DAC & ,MUTE & AUDIO OUT



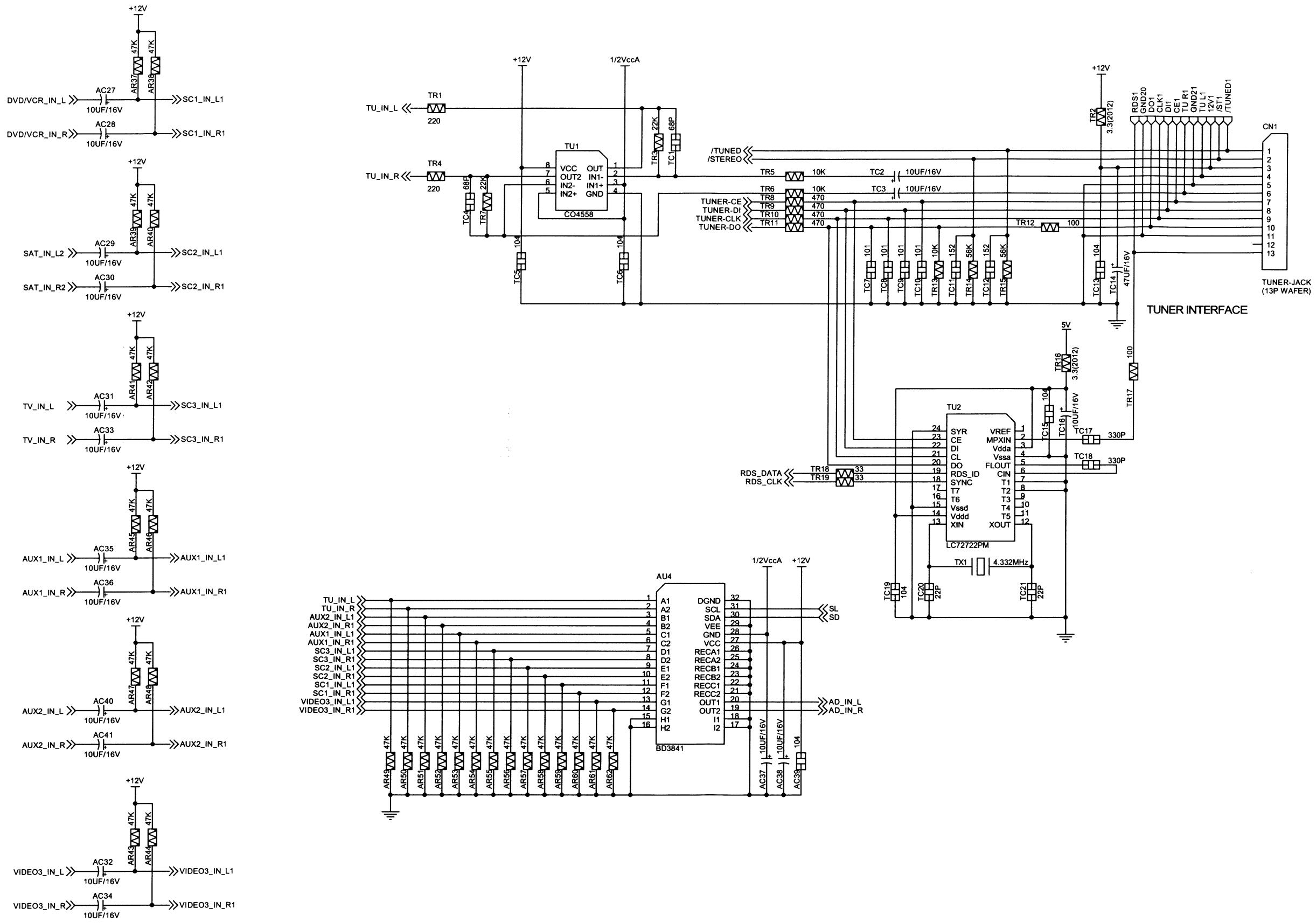
6-17 MPEG(USA ASIA) DECODER



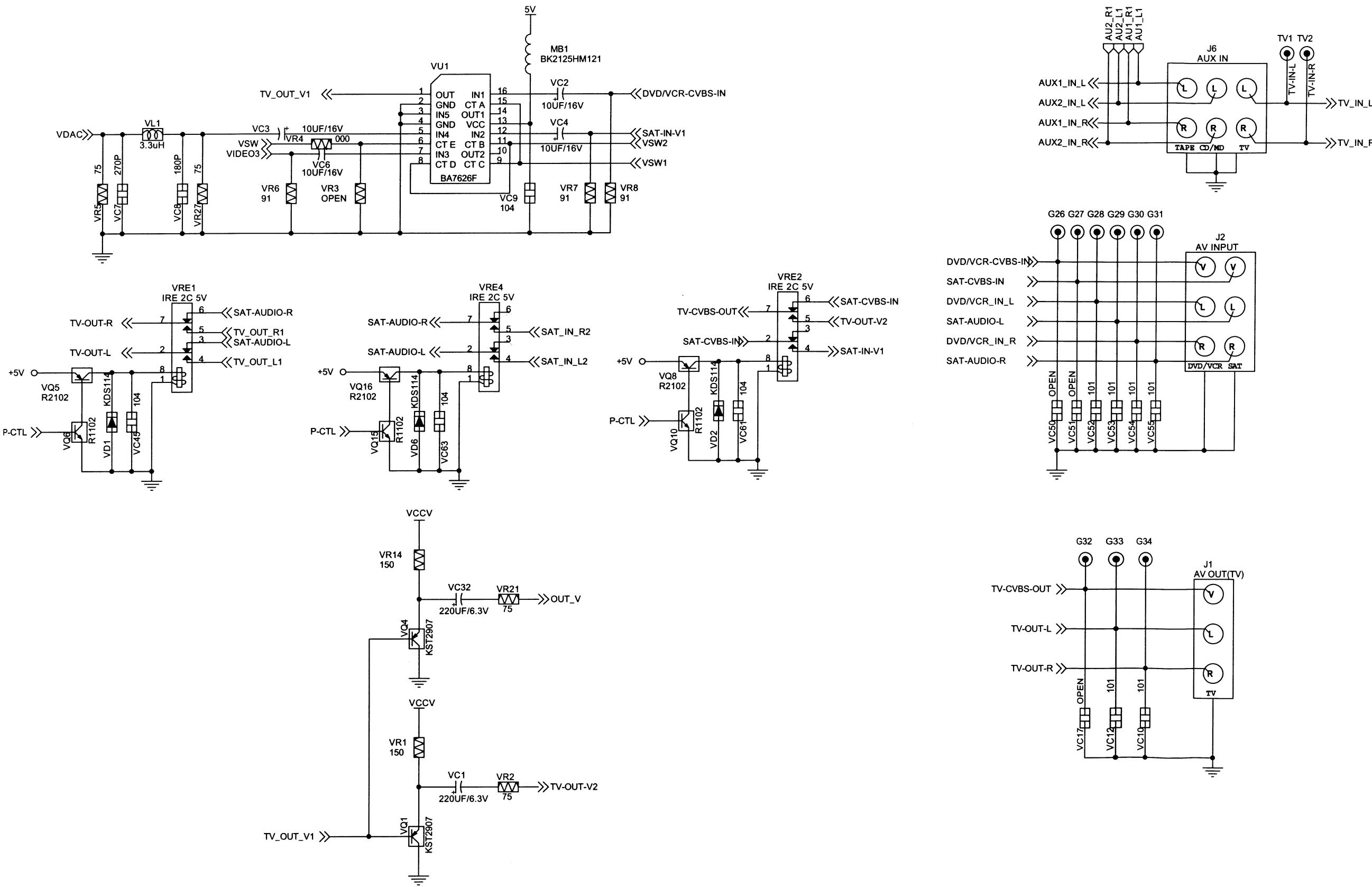
6-18 MPEG(USA ASIA) MEMORY BLOCK



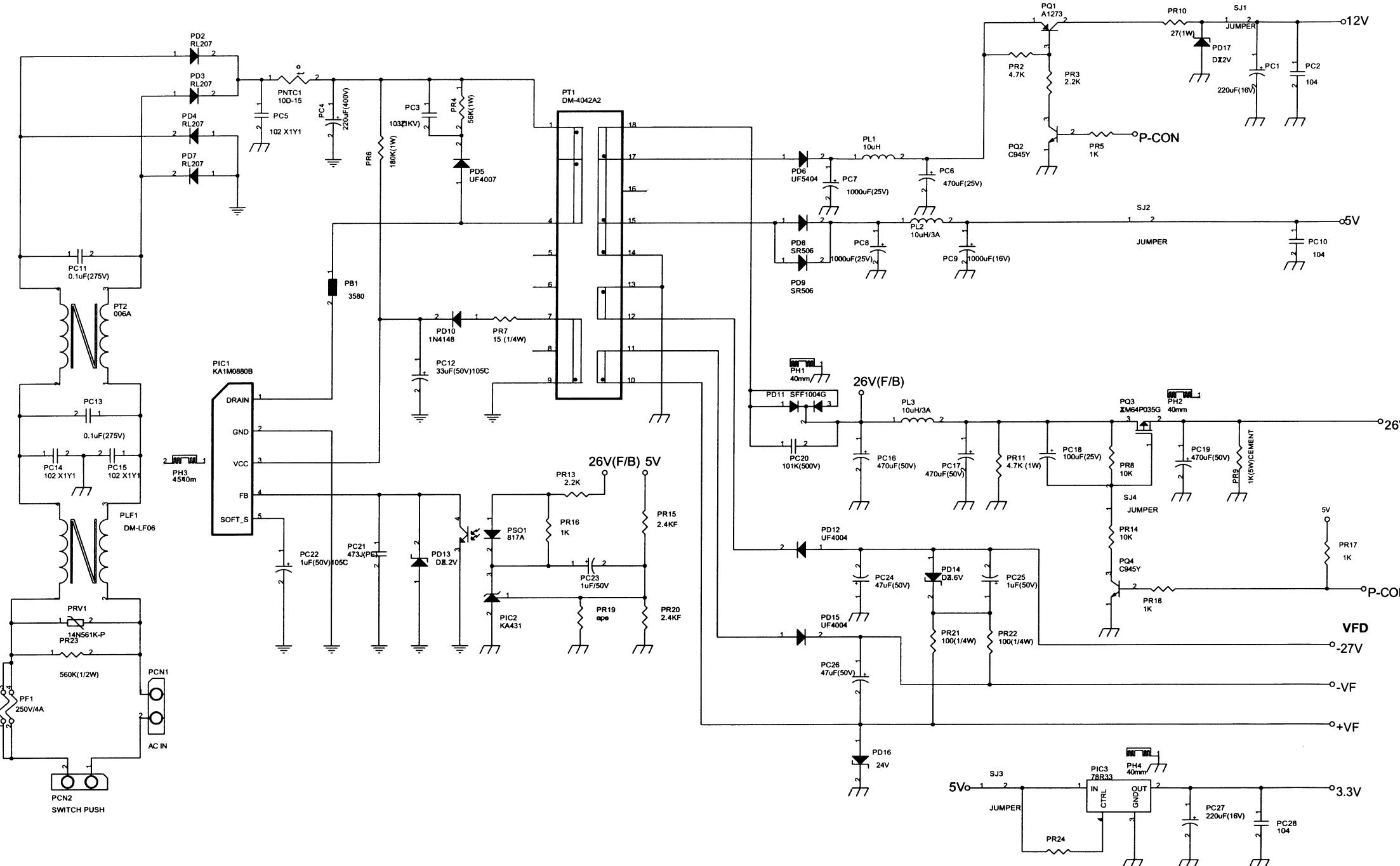
6-19 MPEG(USA ASIA) TUNER & AUDIO Switch



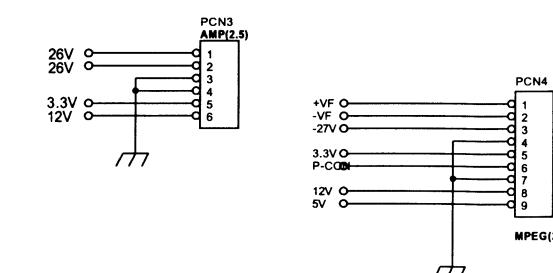
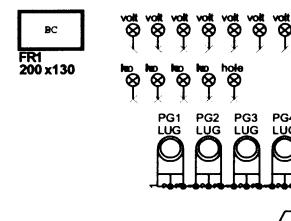
6-20 MPEG(USA ASIA) VIDEO & JACK & RELAY



6-21 POWER(SMPS)



1. PR12 DELETED 2003.06.17
2. PC50 ADDED 2003.06.23



8. Electrical Parts List

AMP

Location	CODE NO.	Description	Specification
	APAP-00016A	PCB ASS Y	AMP-PCB ASS Y (DMA-1030E: 6241B+5112)
U1	DPIC-00136A	IC-PWM	NSP-6241B
U2,U3,U4	DPIC-00077A	IC-AMP	TAS5112DFD
Q3	DPIC-10029A	IC-VOLTAGE DETECTOR	KIA7042AP/KAT75420ZTA
Q4	DPIC-00044A	IC-VOLTAGE REGULATOR	AIC1117A-33CY/G960T63U/AMC1117-3.3SK,SOT-223/RC1117S33T
D1	DPDA-10014A	DIODE-RECTIFIER	RL207,1KV,2A
D2,D3	DPDA-10007A	DIODE-SWITCHING	1N4148
R19,R25,R35,R45,R53,R56	DPRC-00001A	R-CHIP	000 ohm,5%,1/16W,DA,TP,1608
R3,R4,R5,R6,R7,R8,R9,R10	DPRC-00004A	R-CHIP	100ohm,5%,1/16W,DA,TP,1608
R11,R12,R13,R14,R26,R36,R46	DPRC-00004A	R-CHIP	100ohm,5%,1/16W,DA,TP,1608
R1,R2	DPRC-00032A	R-CHIP	2.2Kohm,5%,1/16W,DA,TP,1608
R51	DPRM-10044D	R-METAL OXIDE(S)	33ohm,5%,2W
R16,R17,R18,R52	DPRC-00057A	R-CHIP	47ohm,5%,1/16W,DA,TP,1608
R15,R54	DPRC-00059A	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608
R100	DPRC-00159A	R-CHIP	5.6ohm,5%,1/16W,DA,TP,1608
R22,R23,R28,R29,R32,R33,R38,R39	DPRC-00101A	R-CHIP	1.5ohm,5%,1/16W,DA,TP,1608
R42,R43,R48,R49,R113,R114,R115,R116	DPRC-00101A	R-CHIP	1.5ohm,5%,1/16W,DA,TP,1608
R117,R118,R119,R120,R121,R122,R123,R124	DPRC-00101A	R-CHIP	1.5ohm,5%,1/16W,DA,TP,1608
R21,R24,R27,R30,R31,R34,R37,R40	DPRC-00006B	R-CHIP	10Kohm,5%,1/10W,DA,TP,2012
R41,R44,R47,R50	DPRC-00006B	R-CHIP	10Kohm,5%,1/10W,DA,TP,2012
C146,C147	DPCC-00003A	C-CHIP	100pF,10%,50V,X7R,TP,1608
C22,C34,C41,C54,C61,C73,C80,C93	DPCC-00005A	C-CHIP	10nF,10%,50V,X7R,TP,1608
C100,C112,C119,C132	DPCC-00005A	C-CHIP	10nF,10%,50V,X7R,TP,1608
C3,C5,C9,C10,C11,C12,C13,C15	DPCC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
C16,C19,C20,C21,C26,C48,C53,C65	DPCC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
C87,C92,C104,C126,C131,C141,C142,C149	DPCC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
C150	DPCC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
C28,C35,C40,C47,C67,C74,C79,C86	DPCC-00054A	C-CHIP	33nF,10%,50V,X7R,TP,1608
C106,C113,C118,C125	DPCC-00054A	C-CHIP	33nF,10%,50V,X7R,TP,1608
C23,C25,C27,C29,C30,C33,C36,C38	DPCC-00007B	C-CHIP	100nF,10%,50V,X7R,TP,2012
C39,C43,C45,C46,C50,C52,C62,C64	DPCC-00007B	C-CHIP	100nF,10%,50V,X7R,TP,2012
C66,C68,C69,C72,C75,C77,C78,C82	DPCC-00007B	C-CHIP	100nF,10%,50V,X7R,TP,2012
C84,C91,C101,C108,C121,C130,C144	DPCC-00007B	C-CHIP	100nF,10%,50V,X7R,TP,2012
C14	DPCC-00036A	C-CHIP	22nF,10%,50V,X7R,TP,1608
C151,C152	DPCC-00037A	C-CHIP	220nF,+80-20%,16V,Y5V,TP,1608
R300,R301	DPRC-00030A	R-CHIP	22ohm,5%,1/16W,DA,TP,1608
B3,B4,B5,B6	DPBC-00001A	BEAD-CHIP	BK2125HM121/CM2012V-121T08
B1,B2	DPLC-00021A	COIL-SMD	100uH,-10%,3.7ohm,100mA,NLC322522T-101K
B7	DPEX-10101A	CORE-FERRITE BEAD	3580
C8,C17,C18,C139,C140,C148	DPEC-10041A	C-ELECT	220uF,20%,6.3V,GP,TP,5x11.5mm
C55,C58,C94,C97,C133,C136	DPEC-10040A	C-ELECT	220uF,20%,50V,GP,TP,10x25.5mm,RX
C1,C2	DPEC-10077A	C-ELECT	1000uF,20%,6.3V,GP,TP,8x11.5,5mm
C143	DPEC-10049A	C-ELECT	1000uF,20%,35V,12x20,5mm
C24,C42,C63,C81,C102,C120,	DPCF-10003B	C-FILM,MPEF	0.47uF,10%,50V
L1,L2,L3,L4,L5,L6	DPLA-10018A	COIL-CHOKE	1016W-02-220L

Location	CODE NO.	Description	Specification
CN1	DPWA-10040A	CONNECTOR-WAFER	STRAIGHT,7P,2.5mm
CN2,CN3	DPWI-10035A	CONNECTOR-WIRE	STRAIGHT,13P,2mm,B/S,65mm
J2	DPJA-10023A	RCAJACK 3P	AV3-8.4-41(Y/W/R)
J1	DPJA-10011A	JACK-SPEAKER	WP12-11
	DPPB-10148A	PCB	AMP-PCB,EPOXY,1.6T,185x120(DMA-1030)
	DP00-P0011A	SCREW	3*8,YEL
	DP02-M0134C	HEAT-SINK FET	127*20mm

MPEG (EU)

Location	CODE NO.	Description	Specification
CU2	APMP-00064A	PCB ASSY	MPEG-PCB ASSY(DMA-1030E)
DU1	DPIC-00040A	IC-DVD PROCESSOR	ES6028F/ES6028FW
DU4	DPIC-00025A	IC-ADC	CS5333-KZ
DU3	DPIC-00026A	IC-INTERFACE RECEIVE	CS8415A-CS/CS8415A1
DU3,CU4	DPIC-00031A	IC-DIGITAL MUX	MM74HC157MX
MU3	DPIC-10002A	IC-EPROM	AZ9040A-70/W29C040-90
			K45641632F-75000/W986416DH-7/EM638165TS-7/
MU3	DPIC-00041A	IC-SDRAM	T436416A-7S/IC42S16400-7T/VD56616A4A-7/
			TBS6416B4E-7G/IS42S16400-7T/A43L2616-7
MU5	DPIC-00068A	IC-2-INPUT OR GATE	MM74HC32
CU1	DPIC-00022A	IC-EEPROM	S524C80D81-SCT0
MU8	DPIC-00007A	IC-CMOS LOGIG	MM74HC374WMX/IN74HS374ADW
MU9	DPIC-00079A	IC-CMOS LOGIG	74F244SCX
VU1	DPIC-00121A	IC-VIDEO SWITCH	BA7626F-E2,SOP16
VU2	DPIC-00132A	IC-VIDEO SWITCH	BA7606F-E2,SOP16
VU3	DPIC-00073A	IC-BUS SWITCH	NC75B3257P6X,SC70
MU7	DPIC-00081A	IC-CMOS LOGIG	74F374SCX/N74F374D
AU1,AU3,DU2,TU1	DPIC-00075A	IC-OP AMP	CO4558L,SOP-8
EU1	DPIC-00036A	IC-HEADPHONE AMP	BH3544F-E2
AU4	DPIC-00122A	IC-ANALOG MUX	BD3841FS-E2,SSOP-A32
AU2	DPIC-00014A	IC-DAC	CS4340-KS
TU2	DPIC-00028A	IC-RDS	LC72722PM
DU5,MU6	DPIC-00020A	IC-INVERTER	NC75U04M5X,SOT-23
CX1	DPEX-10019A	XTAL	27MHz,10ppm,28-AAM,12pF,40/U
TX1	DPEX-10067A	XTAL	4.332MHz
DX1	DPEX-10171A	X-TAL	12.288MHz,30ppm,18pF,HC-49/S
VRE1,VRE2,VRE4	DPEX-10164A	RELAY	IRE-2C-D05S
VRE3	DPEX-10163A	RELAY	IRC-1C-D05S
AC1,AC3,AC5,AC6,AC9,AC11,AC13,AC14	DPEC-10002A	C-ELECT(SRE)	10uF,20%,16V,GP,TP,3.5x5,2.5mm
AC15,AC17,AC18,AC19,AC21,AC27,AC28,AC29	DPEC-10002A	C-ELECT(SRE)	10uF,20%,16V,GP,TP,3.5x5,2.5mm
AC30,AC31,AC32,AC33,AC34,AC35,AC36,AC37	DPEC-10002A	C-ELECT(SRE)	10uF,20%,16V,GP,TP,3.5x5,2.5mm
AC38,AC40,AC41,CC16,CC28,DC1,DC3,DC4	DPEC-10002A	C-ELECT(SRE)	10uF,20%,16V,GP,TP,3.5x5,2.5mm
DC6,DC11,DC22,MC1,MC3,TC2,TC3,TC16	DPEC-10002A	C-ELECT(SRE)	10uF,20%,16V,GP,TP,3.5x5,2.5mm
VC2,VC3,VC4,VC6,VC21,VC22,VC24,VC27	DPEC-10002A	C-ELECT(SRE)	10uF,20%,16V,GP,TP,3.5x5,2.5mm
VC28,VC29,VC30	DPEC-10002A	C-ELECT(SRE)	10uF,20%,16V,GP,TP,3.5x5,2.5mm
AC10	DPEC-10048A	C-ELECT	470uF,20%,16V,GP,TP,8x11.5mm
BC3,BC8,BC12,CC2,MC12,TC14,EC6	DPEC-10016A	C-ELECT	47uF,20%,16V,GP,TP,5x11.5mm
BC2,BC6,BC10,EC7	DPEC-10010A	C-ELECT	100uF,20%,16V,GP,TP,6.3x11.5mm
EC1,EC4	DPEC-10077A	C-ELECT	1000uF,20%,6.3V,GP,TP,8x11.5,5mm
VC1,VC20,VC23,VC25,VC26,VC32,VC44	DPEC-10041A	C-ELECT	220uF,20%,6.3V,GP,TP,5x11.5mm
TC11,TC12	DPCC-00017A	C-CHIP	1.5nF,10%,50V,X7R,TP,1608
DC9,DC10,EC2,EC5	DPCC-00007A	C-CHIP	1000nF,+80-20%,16V,Y5V,TP,1608
AC7,AC8,AC20,AC22,AC25,AC26,AC39,BC1	DPPC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
BC4,BC5,BC7,BC9,BC11,CC1,CC3,CC4	DPPC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
CC5,CC6,CC7,CC8,CC9,CC10,CC11,CC12	DPPC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
CC13,CC14,CC15,CC17,CC18,CC19,CC20,CC21	DPPC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608

MPEG (EU)

Location	CODE NO.	Description	Specification
CC22,CC23,CC24,CC25,CC29,DC7,DC8,DC12	DPCC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
DC13,DC14,DC16,DC20,DC21,DC23,DC24,EC8	DPCC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
MC2,MC4,MC5,MC6,MC7,MC8,MC9,MC10	DPCC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
MC11,MC14,MC15,MC16,MC17,MC18,TC5,TC6	DPCC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
TC13,TC15,TC19,VC9,VC31,VC45,VC59,VC61	DPCC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
VC62,VC63	DPCC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
AC42,AC43,AC44,AC45,AC46,AC47,AC48,AC49	DPCC-00003A	C-CHIP	100pF,10%,50V,X7R,TP,1608
AC50,AC51,AC52,AC53,AC54,AC55,BC13,BC14	DPCC-00003A	C-CHIP	100pF,10%,50V,X7R,TP,1608
BC15,BC16,TC7,TC8,TC9,TC10	DPCC-00003A	C-CHIP	100pF,10%,50V,X7R,TP,1608
CC31,DC15,DC17,DC18,DC26	DPCC-00005A	C-CHIP	10nF,10%,50V,X7R,TP,1608
MC13	DPCC-00015A	C-CHIP	15pF,10%,50V,X7R,TP,1608
DC27,DC28	DPCC-00212A	C-CHIP	18pF,10%,50V,X7R,TP,1608
VC8	DPCC-00222A	C-CHIP	180pF,5%,50V,X7R,TP,1608
BC17,BC18,CC32,VC18,VC19,VC42,VC43,VC55	DPCC-00040A	C-CHIP	1nF,10%,50V,X7R,TP,1608
VC56	DPCC-00004A	C-CHIP	1nF,10%,50V,X7R,TP,1608
CC33	DPCC-0037A	C-CHIP	220nF,+80-20%,16V,Y5V,TP,1608
TC20,TC21	DPCC-0033A	C-CHIP	22pF,10%,50V,X7R,TP,1608
VC7	DPCC-0040A	C-CHIP	270pF,10%,50V,X7R,TP,1608
CC26,CC27	DPCC-0039A	C-CHIP	27pF,10%,50V,X7R,TP,1608
AC23,AC24	DPCC-00053A	C-CHIP	3.3nF,10%,50V,X7R,TP,1608
TC17,TC18,VC10,VC11,VC12,VC13,VC33,VC34	DPCC-00052A	C-CHIP	330pF,10%,50V,X7R,TP,1608
VC35,VC36,VC46,VC47,VC48,VC49	DPCC-00052A	C-CHIP	330pF,10%,50V,X7R,TP,1608
DC25	DPCC-00065A	C-CHIP	4.7nF,10%,50V,X7R,TP,1608
CC30	DPCC-00063A	C-CHIP	47pF,10%,50V,X7R,TP,1608
AC2,AC4,AC12,AC16,DC2,DC5,TC1,TC4	DPCC-00075A	C-CHIP	68pF,10%,50V,X7R,TP,1608
AD1,AD2,CD1,VD1,VD2,VD3,VD4,VD6	DPDC-00001A	DIODE-SWITCHING,CHIP	KDS114-RTK/1
AD4	DPDC-00002A	DIODE-SWITCHING,CHIP	KDS184,SOT-23
BD1	DPDA-10014A	DIODE-RECTIFIER	RL207,1KV,2A
VD5	DPDA-10019A	DIODE-SCHOTTKY	S8040
BD2	DPDA-10042A	DIODE-ZENER	DZ6.2BS8,500mW
AD3	DPDA-10001A	DIODE-ZENER	MTZ3.9BS8,500mW
BL1,BL3,BL7,BL8,BL9,D1,D1,ML1	DPBC-00001A	BEAD-CHIP	BK2125HM121
BO1	DPTC-00016A	TR-CHIP	2SB1386T100R
VQ22	DPTC-00003A	TR-CHIP	KSC1623-Y-MTF/KTC3875S-Y,NPN,SOT-23/SC2412K-R
CO1	DPTC-00018A	TR-CHIP	KSR2103-MTF,SOT-23/DTA124EKAT146
CQ2	DPTC-00002A	TR-CHIP	KSR1103-MTF/DTC124EKAT146
AQ1,AQ5,AQ6,AQ8,BQ2,VQ6,VQ10,VQ11	DPTC-00005A	TR-CHIP	KSR1102-MTF
VQ13,VQ14,VQ15,VQ21	DPTC-00005A	TR-CHIP	KSR1102-MTF
AQ2,AQ4,VQ5,VQ8,VQ9,VQ12,VQ16,VQ23	DPTC-00006A	TR-CHIP	KSR2102-MTF
VQ1,VQ3,VQ4,VQ7,VQ17,VQ18,VQ19	DPTC-00008A	TR-CHIP	KST2907-MTF/SST2907AT116
AQ3,AQ7,AQ9,AQ10	DPTC-00017A	TR-CHIP	DTC323TKT146
BL2,BL4,BL5	DPEX-10101A	CORE-FERRITE BEAD	3580
MR5,MR8,MR32,VR4,VR38	DPRC-00001A	R-CHIP	000 ohm,5%,1/16W,DA,TP,1608
AR16,AR17,AR35,AR36,CR21,DR12,DR13	DPRC-00007A	R-CHIP	100Kohm,5%,1/16W,DA,TP,1608
AR13,BR5,BR7,BR8,CR7,CR8,CR9	DPRC-00004A	R-CHIP	100ohm,5%,1/16W,DA,TP,1608
CR10,CR11,CR12,MR10,MR11,MR13,MR15,MR16	DPRC-00004A	R-CHIP	100ohm,5%,1/16W,DA,TP,1608

MPEG (EU)

Location	CODE NO.	Description	Specification
MR18,TR12,TR17,DR23	DPRC-00004A	R-CHIP	100ohm,5%,1/16W,DA,TP,1608
VR36	DPRC-00004B	R-CHIP	100ohm,5%,1/10W,DA,TP,2012
AR6,AR18,BR2,BR9,BR10,BR11,TR5,TR6	DPRC-00006A	R-CHIP	10Kohm,5%,1/16W,DA,TP,1608
TR13	DPRC-00006A	R-CHIP	10Kohm,5%,1/16W,DA,TP,1608
AR1,AR7,AR19,AR25	DPRC-00003A	R-CHIP	10ohm,5%,1/16W,DA,TP,1608
BR1	DPRC-00005B	R-CHIP	1Kohm,5%,1/10W,DA,TP,2012
AR14,AR15,BR3,BR4,BR13,CR1,CR2,CR18	DPRC-00005A	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608
CR20,VR24,VR25	DPRC-00005A	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608
DR29	DPRC-00008A	R-CHIP	1Mohm,5%,1/16W,DA,TP,1608
DR28,VR1,VR9,VR14,VR22,VR28,VR30,VR32	DPRC-00016A	R-CHIP	150ohm,5%,1/16W,DA,TP,1608
AR2,AR3,AR5,AR8,AR20,AR21,AR23,AR26	DPRC-00031A	R-CHIP	220ohm,5%,1/16W,DA,TP,1608
TR1,TR4	DPRC-00031A	R-CHIP	220ohm,5%,1/16W,DA,TP,1608
AR4,AR9,AR10,AR22,AR28,TR3,TR7	DPRC-00033A	R-CHIP	22Kohm,5%,1/16W,DA,TP,1608
CR17	DPRC-00036A	R-CHIP	270ohm,5%,1/16W,DA,TP,1608
CR3,CR4,DR18,MR40,MR41,TR2,TR16	DPRC-00092B	R-CHIP	3.3ohm,5%,1/10W,DA,TP,2012
DR15,DR16,DR17,DR24,DR25,DR26,MR4,MR12	DPRC-00045A	R-CHIP	33ohm,5%,1/16W,DA,TP,1608
MR14,MR17,MR19,MR20,MR21,MR24,MR25,MR26	DPRC-00045A	R-CHIP	33ohm,5%,1/16W,DA,TP,1608
MR27,MR28,MR29,MR30,MR31,TR18,TR19	DPRC-00045A	R-CHIP	33ohm,5%,1/16W,DA,TP,1608
DR27	DPRC-00011A	R-CHIP	1.2Kohm,5%,1/16W,DA,TP,1608
DR2,DR8,DR9,DR11	DPRC-00048A	R-CHIP	33Kohm,5%,1/16W,DA,TP,1608
AR31,AR32,AR33,CR5,CR6,CR13,CR14,CR15	DPRC-00059A	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608
CR16,CR22,DR3,DR4,DR14,DR19,DR20,DR21	DPRC-00059A	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608
CR19,TR8,TR9,TR10,TR11	DPRC-00058A	R-CHIP	470ohm,5%,1/16W,DA,TP,1608
AR37,AR38,AR39,AR40,AR41,AR42,AR43,AR44	DPRC-00060A	R-CHIP	47Kohm,5%,1/16W,DA,TP,1608
AR45,AR46,AR47,AR48,AR49,AR50,AR51,AR52	DPRC-00060A	R-CHIP	47Kohm,5%,1/16W,DA,TP,1608
AR53,AR54,AR55,AR56,AR57,AR58,AR59,AR60	DPRC-00060A	R-CHIP	47Kohm,5%,1/16W,DA,TP,1608
AR61,AR62,MR1,MR2,MR22,MR23,VR26	DPRC-00060A	R-CHIP	47Kohm,5%,1/16W,DA,TP,1608
AR11,AR12,AR29,AR30	DPRC-00065A	R-CHIP	5.6Kohm,5%,1/16W,DA,TP,1608
AR24,AR27	DPRC-00064A	R-CHIP	560ohm,5%,1/16W,DA,TP,1608
ER2,ER4,TR14,TR15	DPRC-00066A	R-CHIP	56Kohm,5%,1/16W,DA,TP,1608
VR2,VR5,VR10,VR21,VR23,VR27,VR29,VR31	DPRC-00073A	R-CHIP	75ohm,5%,1/16W,DA,TP,1608
VR33,VR34,VR35	DPRC-00073A	R-CHIP	75ohm,5%,1/16W,DA,TP,1608
VR6,VR7,VR8	DPRC-00083A	R-CHIP	91ohm,5%,1/16W,DA,TP,1608
DR7,DR10	DPRC-00075A	R-CHIP	7.5Kohm,5%,1/16W,DA,TP,1608
VL1	DPLC-00004A	COIL-CHIP	C11608-3R3K
CN2	DPWA-10035A	CONNECTOR-WAFER	STRAIGHT,SMW200-09,2mm
CN4,CN6,CN5	DPWA-10010A	CONNECTOR-WAFER	STRAIGHT,SMW200-13,2mm
CN3	DPWA-10009A	CONNECTOR-WAFER	STRAIGHT,SMW200-10,2mm
CN7	DPWA-10002A	CONNECTOR-WAFER	STRAIGHT,SMW200-03,2mm
MU1,MU2	DPWA-10017A	SOCKET-IC	PD31-3261-N(32P)
J1	DPJA-10016A	SCART-JACK	1 SCART, SHIELD CASE
J2	DPJA-10009A	SCART-JACK	2 SCART
J6	DPJA-10046A	RCAJACK 4P	AV4-8.4-21/PB(W/R W/R)
J4	DPJA-10047A	OPTICAL-JACK	VSR5A
J5	DPJA-10001A	COAXIAL-JACK	RCA-1P
CN1	DPWA-10022A	CONNECTOR-WAFER	00-8370-131-000-800

MPEG (EU)

Location	CODE NO.	Description	Specification
DPPB-10147A	PCB	MPEG-PCB,EPOXY,1.6T,223x199(DMA-1030)	
DPWI-10017A	CABLE-FFC	13P,80mm,A-TYPE	
BUYER SPEC	DPEX-10156A	TUNER MODULE	KST-MV014FA1-59,EU,FM THD

MPEG
MPEG (USA,ASIA)

Location	CODE NO.	Description	Specification
	APMP-00069A	PCB ASS'Y	MPEG-PCB ASS'Y(DMA-2030T)
CU2	DPIC-00040A	IC-DVD PROCESSOR	ES6028F/ES6028FW
DU1	DPIC-00025A	IC-ADC	CS5333-KZ
DU4	DPIC-00026A	IC-INTERFACE RECEIVE	CS8415A-CS/CS8415A1
DU3	DPIC-00031A	IC-DIGITAL MUX	MM74HC157MX
CU3,CU4	DPIC-10002A	IC-EPROM	AZ9040A-70/W29C040-90
			K4S841632F-75000/W986416DH-7/EM638165TS-7/
MU3	DPIC-00041A	IC-SDRAM	T436416A-7S/IC42S16400-7T/DS6164A4-A-7/ TBS6416B4E-7G/IS42S16400-7T/A43L2616-7
MU5	DPIC-00068A	IC-2-INPUT OR GATE	MM74HC32
CU1	DPIC-00022A	IC-EEPROM	S524C80D81-SCT0
MU8	DPIC-00007A	IC-CMOS LOGIG	MM74HC374WMMX/IN74HS374ADW
MU9	DPIC-00079A	IC-CMOS LOGIG	74F244SCX
UV1	DPIC-00121A	IC-VIDEO SWITCH	BA7626F-E2
MU7	DPIC-00081A	IC-CMOS LOGIG	74F374SCX/IN74F374D
AU3,DU2,TU1	DPIC-00075A	IC-OP AMP	CO4558L,SOP-8
EU1	DPIC-00036A	IC-HEADPHONE AMP	BH3544F-E2
AU4	DPIC-00122A	IC-ANALOG MUX	BD3841FS-E2
AU2	DPIC-00014A	IC-DAC	CS4340-KS
DU5,MU6	DPIC-00020A	IC-INVERTER	NC7S104M5X,SOT-23
CX1	DPEX-10019A	X-TAL	27MHz,10ppm,28-AAM,12pF,40/U
DX1	DPEX-10177A	X-TAL	12.288MHz,30ppm,18pF,HC-49/S
VRE1,VRE2,VRE4	DPEX-10164A	RELAY	IRE-2C-D05S
AC9,AC11,AC13,AC14,AC15,AC17,AC18,AC19	DPEC-10002A	C-ELECT(SRE)	10uF,20%,16V,GP,TP,3.5x5.2.5mm
AC21,AC27,AC28,AC29,AC30,AC31,AC32,AC33	DPEC-10002A	C-ELECT(SRE)	10uF,20%,16V,GP,TP,3.5x5.2.5mm
AC34,AC35,AC36,AC37,AC38,AC40,AC41,CC16	DPEC-10002A	C-ELECT(SRE)	10uF,20%,16V,GP,TP,3.5x5.2.5mm
CC28,DC1,DC3,DC4,DC6,DC11,DC22,MC1	DPEC-10002A	C-ELECT(SRE)	10uF,20%,16V,GP,TP,3.5x5.2.5mm
MC3,TC2,TC3,VC2,VC3,VC4,VC6	DPEC-10002A	C-ELECT(SRE)	10uF,20%,16V,GP,TP,3.5x5.2.5mm
AC10	DPEC-10048A	C-ELECT	470uF,20%,16V,GP,TP,8x11.5,5mm
BC3,BC8,BC12,CC2,MC12,TC14,EC6	DPEC-10016A	C-ELECT	47uF,20%,16V,GP,TP,5x11,5mm
BC2,BC6,BC10,EC7	DPEC-10010A	C-ELECT	100uF,20%,16V,GP,TP,6.3x11,5mm
EC1,EC4	DPEC-10077A	C-ELECT	1000uF,20%,6.3V,GP,TP,8x11.5,5mm
VC1,VC32	DPEC-10041A	C-ELECT	220uF,20%,6.3V,GP,TP,5x11,5mm
TC11,TC12	DPCC-00017A	C-CHIP	1.5nF,10%,50V,X7R,TP,1608
DC9,DC10,EC2,EC5	DPCC-00007A	C-CHIP	1000nF,+80-20%,16V,Y5V,TP,1608
AC20,AC22,AC25,AC26,AC39,BC1,BC4,BC5	DPCC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
BC7,BC9,BC11,CC1,CC3,CC4,CC5,CC6	DPCC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
CC7,CC8,CC9,CC10,CC11,CC12,CC13,CC14	DPCC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
CC15,CC17,CC18,CC19,CC20,CC21,CC22,CC23	DPCC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
CC24,CC25,CC29,DC7,DC8,DC12,DC13,DC14	DPCC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
DC16,DC20,DC21,DC23,DC24,EC8,MC2,MC4	DPCC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
MC5,MC6,MC7,MC8,MC9,MC10,MC11,MC14	DPCC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
MC15,MC16,MC17,MC18,TC5,TC6,TC13,VC9	DPCC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
VC45,VC61,VC63	DPCC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608
BC13,BC14,BC15,BC16,TC7,TC8,TC9,TC10	DPCC-00003A	C-CHIP	100pF,10%,50V,X7R,TP,1608
VC10,VC12,VC52,VC53,VC54,VC55	DPCC-00003A	C-CHIP	100pF,10%,50V,X7R,TP,1608

MPEG (USA,ASIA)

Location	CODE NO.	Description	Specification
CC31,DC15,DC17,DC18,DC26	DPCC-00005A	C-CHIP	10nF,10%,50V,X7R,TP,1608
MC13	DPCC-00015A	C-CHIP	15pF,10%,50V,X7R,TP,1608
DC27,DC28	DPCC-00021A	C-CHIP	18pF,10%,50V,X7R,TP,1608
VC8	DPCC-00022A	C-CHIP	180pF,5%,50V,X7R,TP,1608
CC32	DPCC-00040A	C-CHIP	1nF,10%,50V,X7R,TP,1608
CC33	DPCC-00037A	C-CHIP	220nF,+80-20%,16V,Y5V,TP,1608
VC7	DPCC-00039A	C-CHIP	270pF,10%,50V,X7R,TP,1608
CC26,CC27	DPCC-00039A	C-CHIP	27pF,10%,50V,X7R,TP,1608
AC23,AC24,	DPCC-00053A	C-CHIP	3.3nF,10%,50V,X7R,TP,1608
BC17,BC18	DPCC-00052A	C-CHIP	330pF,10%,50V,X7R,TP,1608
DC25	DPCC-00065A	C-CHIP	4.7nF,10%,50V,X7R,TP,1608
CC30	DPCC-00063A	C-CHIP	47pF,10%,50V,X7R,TP,1608
AC12,AC16,DC2,DC5,TC1,TC4	DPCC-00075A	C-CHIP	68pF,10%,50V,X7R,TP,1608
AD1,AD2,CD1,VD1,VD2,VD6	DPDC-00001A	DIODE-SWITCHING,CHIP	KDS114-RTK/1
AD4	DPDC-00002A	DIODE-SWITCHING,CHIP	KDS184,SOT-23
BD1	DPDA-10014A	DIODE-RECTIFIER	RL207,1KV,2A
BD2	DPDA-10042A	DIODE-ZENER	DZ6.2BSB,500mW
AD3	DPDA-10001A	DIODE-ZENER	MTZ3.9BSB,500mW
BL1,BL3,BL7,BL8,BL9,BL9,DL1,DL2,MB1	DPBC-00001A	BEAD-CHIP	BK2125HM121
ML1	DPBC-00001A	BEAD-CHIP	BK2125HM121
BQ1	DPTC-0016A	TR-CHIP	2SB1386T100R
CQ1	DPTC-0018A	TR-CHIP	KSR2103-MTF,SOT-23/DTA124EKAT146
CQ2	DPTC-00002A	TR-CHIP	KSR103-MTF/DTC124EKAT146
AQ1,AQ5,AQ6,AQ8,BQ2,VQ6,VQ10,VQ15	DPTC-00005A	TR-CHIP	KSR102-MTF
AQ2,AQ4,VQ5,VQ8,VQ16	DPTC-00006A	TR-CHIP	KSR2102-MTF
VQ1,VQ4	DPTC-0008A	TR-CHIP	KST2907-MTF/SST2907AT116
AQ9,AQ10	DPTC-00017A	TR-CHIP	DTC323TKT146
BL2,BL4,BL5	DPEX-10101A	CORE-FERRITE BEAD	3580
MR5,MR8,MR32,VR4	DPRC-00001A	R-CHIP	000 ohm,5%,1/16W,DA,TP,1608
AR35,AR36,CR21,DR12,DR13	DPRC-00007A	R-CHIP	100Kohm,5%,1/16W,DA,TP,1608
AR13,BR5,BR6,BR7,BR8,CR7,CR8,CR9	DPRC-00004A	R-CHIP	100ohm,5%,1/16W,DA,TP,1608
CR10,CR11,CR12,MR10,MR11,MR13,MR15,MR16	DPRC-00004A	R-CHIP	100ohm,5%,1/16W,DA,TP,1608
MR16,TR12,DR23	DPRC-00004A	R-CHIP	100ohm,5%,1/16W,DA,TP,1608
AR6,AR18,BR2,BR9,BR10,BR11,TR5,TR6	DPRC-00006A	R-CHIP	10Kohm,5%,1/16W,DA,TP,1608
TR13	DPRC-00006A	R-CHIP	10Kohm,5%,1/16W,DA,TP,1608
AR19,AR25	DPRC-0003A	R-CHIP	10ohm,5%,1/16W,DA,TP,1608
BR1	DPRC-0005B	R-CHIP	1Kohm,5%,1/10W,DA,TP,2012
AR15,BR3,BR4,BR13,CR1,CR2,CR18,CR20,	DPRC-0005A	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608
DR29	DPRC-0008A	R-CHIP	1Mohm,5%,1/16W,DA,TP,1608
DR28,VR1,VR14	DPRC-0016A	R-CHIP	150ohm,5%,1/16W,DA,TP,1608
AR20,AR21,AR23,AR26,TR1,TR4	DPRC-00031A	R-CHIP	220ohm,5%,1/16W,DA,TP,1608
AR9,AR22,AR28,TR3,TR7	DPRC-00033A	R-CHIP	22Kohm,5%,1/16W,DA,TP,1608
CR17	DPRC-00036A	R-CHIP	270ohm,5%,1/16W,DA,TP,1608
CR3,CR4,DR18,MR40,MR41,TR2	DPRC-00092B	R-CHIP	3.3ohm,5%,1/10W,DA,TP,2012
DR15,DR16,DR17,DR24,DR25,DR26,MR4,MR12	DPRC-00045A	R-CHIP	33ohm,5%,1/16W,DA,TP,1608
MR14,MR17,MR19,MR20,MR21,MR24,MR25,MR24	DPRC-00045A	R-CHIP	33ohm,5%,1/16W,DA,TP,1608

MPEG (USA,ASIA)

Location	CODE NO.	Description	Specification
MR27,MR28,MR29,MR30,MR31	DPRC-00045A	R-CHIP	33ohm,5%,1/16W,DA,TP,1608
DR27	DPRC-00011A	R-CHIP	1.2Kohm,5%,1/16W,DA,TP,1608
DR2,DR8,DR9,DR11	DPRC-00048A	R-CHIP	33Kohm,5%,1/16W,DA,TP,1608
AR31,AR32,AR33,CR5,CR6,CR13,CR14,CR15	DPRC-00059A	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608
CR16,CR22,DR3,DR4,DR14,DR19,DR20,DR21	DPRC-00059A	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608
CR19,TR8,TR9,TR10,TR11	DPRC-00058A	R-CHIP	470ohm,5%,1/16W,DA,TP,1608
AR37,AR38,AR39,AR40,AR41,AR42,AR43,AR44	DPRC-00060A	R-CHIP	47Kohm,5%,1/16W,DA,TP,1608
AR45,AR46,AR47,AR48,AR49,AR50,AR51,AR52	DPRC-00060A	R-CHIP	47Kohm,5%,1/16W,DA,TP,1608
AR53,AR54,AR55,AR56,AR57,AR58,AR59,AR60	DPRC-00060A	R-CHIP	47Kohm,5%,1/16W,DA,TP,1608
AR61,AR62,MR1,MR2,MR22,MR23	DPRC-00060A	R-CHIP	47Kohm,5%,1/16W,DA,TP,1608
AR29,AR30	DPRC-00065A	R-CHIP	5.6Kohm,5%,1/16W,DA,TP,1608
AR24,AR27	DPRC-00064A	R-CHIP	560ohm,5%,1/16W,DA,TP,1608
TR14,TR15,ER2,ER4	DPRC-00066A	R-CHIP	56Kohm,5%,1/16W,DA,TP,1608
VR2,VR5,VR21,VR27	DPRC-00073A	R-CHIP	75ohm,5%,1/16W,DA,TP,1608
VR6,VR7,VR8	DPRC-00083A	R-CHIP	91ohm,5%,1/16W,DA,TP,1608
DR7,DR10	DPRC-00075A	R-CHIP	7.5Kohm,5%,1/16W,DA,TP,1608
VL1	DPLC-00004A	COIL-CHIP	C1608-3R3K
CN2	DPWA-10035A	CONNECTOR-WAFER	STRAIGHT,SMW200-09,2mm
CN4,CN6,CN5	DPWA-10010A	CONNECTOR-WAFER	STRAIGHT,SMW200-13,2mm
CN3	DPWA-10009A	CONNECTOR-WAFER	STRAIGHT,SMW200-10,2mm
CN7	DPWA-10002A	CONNECTOR-WAFER	STRAIGHT,SMW200-03,2mm
MU1,MU2	DPWA-10017A	SOCKET-IC	PD31-3261-N(32P)
J1	DPJA-10023A	RCAJACK 3P	AV3-8.4-41(Y/W/R)
J2	DPJA-10036A	RCAJACK 6P	AV6-8.4-41(Y/W/R Y/W/R),59mm
J6	DPJA-10051A	RCAJACK 6P	AV6-8.4-21/PB(W R W R W R)
J4	DPJA-10047A	OPTICAL-JACK	VSR5A
J5	DPJA-10001A	COAXIAL-JACK	RCA-1P
CN1	DPWA-10022A	CONNECTOR-WAFER	00-8370-131-000-800
	DPPB-10154A	PCB	MPEG-PCB,EPOXY,1.6T,223x199(DMA-2030)
	DPWI-10017A	CABLE-FFC	13P,80mm,A-TYPE
BUYER SPEC	DPEX-10111A	TUNER MODULE	KST-MV011FA0-59,USA
BUYER SPEC	DPEX-10110A	TUNER MODULE	KST-MV011FA1-59,ASIA
BUYER SPEC	DPEX-10112A	TUNER MODULE	KST-MV015FA1-59,JAPAN

SMPS

Location	CODE NO.	Description	Specification
PR5,PR17,PR18,PR24,PR16	APSM-00028A	PCB ASS'Y	SMPS-PCB ASS'Y(DMA-1030)
PR8,PR14	DPIC-00081A	R-CARBON	1Kohm,5%,1/8W,AA,TP,1.8x3.2mm
PR2	DPRA-10006A	R-CARBON	10Kohm,5%,1/8W,AA,TP,1.8x3.2mm
PR3,PR13	DPRA-10057A	R-CARBON	4.7Kohm,5%,1/8W,AA,TP,1.8x3.2mm
PR15,PR20	DPRA-10031A	R-CARBON	2.2Kohm,5%,1/8W,AA,TP,1.8x3.2mm
PR21,PR22	DPRA-10097A	R-CARBON	2.4Kohm,1%,1/8W,AA,TP,1.8x3.2mm
PR7	DPRA-10003B	R-CARBON	100ohm,5%,1/4W,AA,TP,2.4x6.4mm
PR23	DPRA-10014B	R-CARBON	15ohm,5%,1/4W,AA,TP,2.4x6.4mm
PR10	DPRA-10066D	R-CARBON	560Kohm,5%,1/2W,AA,TP
PR6	DPRM-10034C	R-METAL OXIDE(S)	27ohm,5%,1W
PR11	DPRM-10023C	R-METAL OXIDE(S)	180Kohm,5%,1W
PR4	DPRM-10058C	R-METAL OXIDE(S)	4.7Kohm,5%,1W
PR9	DPRM-10065C	R-METAL OXIDE(S)	56Kohm,5%,1W
SJ1,SJ2,SJ3,SJ4,SJ5,SJ6,SJ7,SJ8	DPRM-10088D	R-CEMENT	1Kohm,5%,5W,13.5x10x26.5,5mm
PC2,PC10,PC28	DPRM-10001A	JUMPER WIRE	WIRE-NO SHEATH CU; SPCW,300V,1/0.5
PC11,PC13	DPCA-10001C	C-CERAMIC,AXIAL	100nF,+80-20%,50V,Y5V,TP
PC5,PC14,PC15	DPCA-10010C	C-FILM,MPEF	0.1uF,10%,275V
PC3	DPCA-10001B	C-CERAMIC,DISC	1nF,20%,400V,X1Y1
PC20	DPCA-10008B	C-CERAMIC,DISC	10nF,+80-20%,1KV
PC21	DPCA-10009B	C-CERAMIC,DISC	B101K,10%,500V
PC23,PC25	DPCF-10002A	C-FILM,PEF	473J
PC18	DPEC-10013A	C-ELECT	1uF,20%,50V,GP,TP,5x11,5mm
PC9	DPEC-10021A	C-ELECT	100uF,20%,25V,GP,TP,6.3x11,5mm
PC1,PC27	DPEC-10035A	C-ELECT	1000uF,20%,16V,10x20.5mm
PC16,PC17,PC19	DPEC-10034A	C-ELECT	220uF,20%,16V,GP,TP,8x11.5,5mm
PC4	DPEC-10039A	C-ELECT	470uF,20%,50V,10x20.5mm
PC12	DPEC-10050A	C-ELECT	220uF,20%,400V,GP,TP,25x40,10mm
PC22	DPEC-10051A	C-ELECT	33uF,20%,50V,WT,TP,6.3x11.5,5mm,105°
PC7,PC8	DPEC-10052A	C-ELECT	1uF,20%,50V,WT,TP,5X11.5,5mm,105°
PC6	DPEC-10053A	C-ELECT	1000uF,20%,25V,10x20.5mm
PC24,PC26	DPEC-10054A	C-ELECT	470uF,20%,25V,GP,TP,10x12.5,5mm
PS01	DPEC-10055A	C-ELECT	47uF,20%,50V,GP,TP,6.3x11.5mm
PIC3	DPIC-10003A	IC-PHOTO COUPLER	H11A817A
PIC2	DPIC-10005A	IC-VOLTAGE REGULATOR	KA78R33TU,TO-220
PIC1	DPIC-10008A	IC	KA431AZ-MTA
PQ3	DPIC-10022A	IC-POWER	KA1M0880B-TU
PD12,PD15	DPTR-10036A	MOSFET	ZXM64P035L3,TO-220
PD5	DPDA-10002A	DIODE-RECTIFIER	UF4004
PD10	DPDA-10003A	DIODE-RECTIFIER	UF4007
PD11	DPDA-10007A	DIODE-SWITCHING	1N4148
PD2,PD3,PD4,PD7	DPDA-10011A	DIODE-RECTIFIER	SFF1004G
PD6	DPDA-10014A	DIODE-RECTIFIER	RL207
PD17	DPDA-10022A	DIODE-RECTIFIER	UF5404
PD14	DPDA-10023A	DIODE-ZENER	DZ12BSB,500mW
PD13	DPDA-10039A	DIODE-ZENER	DZ3.6BSB,1W/1N4729A,1W
	DPDA-10026A	DIODE-ZENER	DZ8.2BSB,500mW

Location	CODE NO.	Description	Specification
PD16	DPDA-10040A	DIODE-ZENER	DZ24BSB,1W
PD8,PD9	DPDA-10038A	DIODE-SCHOTTKY	SR506,60V,5A,15mm
PQ2,PQ4	DPTR-10001A	TR	KSC945,NPN,300mW
PQ1	DPTR-10011A	TR	KTA1273/KSA928A-Y
PL2,PL3	DPLA-10007A	COIL-BAR CHOKE	SPC-530,10uH,20%,3A
PL1	DPLA-10008A	COIL-CHOKE	10uH(T),10%,2A
PLF1	DPLA-10014A	COIL-LINE FILTER	DM-LF06
PF1	DPEX-10025A	FUSE-CLIP	DKJ-1
PF1	DPEX-10064A	FUSE-CARTRIDGE	618004(250V,4A,TIME LAG)/1951400(250V,4A,TIME LAG)
PNTC1	DPEX-10065A	THERMISTER	NSP10D-15
PT2	DPEX-10074A	COIL-LINE FILTER	006A
PRV1	DPEX-10095A	VARISTOR	JVR14N561K-P
PB1	DPEX-10101A	CORE-FERRITE BEAD	3580
PCN1	DPWA-10001A	CONNECTOR-HEADER	YW396-02V (WHITE)
PCN2	DPWA-10018A	CONNECTOR-HEADER	YW396-02V (BLUE)
PCN4	DPWI-10130A	CONNECTOR-WIRE	STRAIGHT,9P,2mm,B/S,100mm
PCN3	DPWI-10124A	CONNECTOR-WIRE	STRAIGHT,7P,2.5mm,B/S,65mm
PT1	DPEX-10158A	TRANS-SWITCHING	DM-4042A2
	DPPB-10149A	PCB	SMPS-PCB,PHENOL,1.6T,200x120(DMA-1030)
PG1,PG2,PG3,PG4	DP02-M0136A	BRKT-GND	BSP 0.5 T
PH1,PH2,PH4	DP00-M0017A	HEAT-SINK SMPS	40mm
PH3	DP02-M0026B	HEAT-SINK POWER	45 x 40mm
PH1,PH2,PH3,PH4	DP00-P0011A	SCREW	3*8 YEL
PH3	DP02-P0007A	SILICON-RUBBER	19x24, T0.3
BUYER SPEC	DPEX-10070B	POWER-CORD	CP2,F4.0/VDE,145mm

FRONT (DMA-1030)

Location	CODE NO.	Description	Specification
U1	APFR-00080A	PCB ASS'Y	FRONT-PCB ASS'Y(DMA-1030)
RE1	DPIC-10009A	IC-DRIVER	PT6311/CS16311EN
FSW1,FSW2,FSW3,FSW4,FSW5,FSW6,FSW7,FSW8	DPEX-10132A	IR RECEIVER	KSM-913TC5N
FSW9,FSW10	DPEX-10014A	SWITCH-TACT	DHT1104RTA,6x6x5
FD1,FD2,FD3	DPEX-10014A	SWITCH-TACT	DHT1104RTA,6x6x5
FLT1	DPEA-10007A	DIODE-SWITCHING	1N4148
PLED1	DPEX-10063A	VFD	VFD25-1205F/ZYC26100-1A01/HNV-12SS20
FJ1,FJ2,FJ3,FJ4,FJ5,FJ6,FJ7,FJ8	DPEX-10015A	LED	SSR202C
FJ9,FJ10,FJ11,FJ12,FJ13,FJ14,FJ15,FJ16	DPRA-10001A	JUMPER WIRE	WIRE-NO SHEATH CU; SPCW,300V,1/0.5
FJ17,FJ18,FJ21,FJ22,FJ24,FJ26,FJ27,FJ28	DPRA-10001A	JUMPER WIRE	WIRE-NO SHEATH CU; SPCW,300V,1/0.5
FJ29,FR6,FR7,FR8,FR9,FR10	DPRA-10001A	JUMPER WIRE	WIRE-NO SHEATH CU; SPCW,300V,1/0.5
FR14	DPRA-10004A	R-CARBON	100ohm,5%,1/8W,AA,TP,1.8x3.2mm
FR1,FR2,FR3,FR4	DPRA-10006A	R-CARBON	10Kohm,5%,1/8W,AA,TP,1.8x3.2mm
FR5	DPRA-10065A	R-CARBON	56Kohm,5%,1/8W,AA,TP,1.8x3.2mm
FR11,FR12,FR13	DPRA-10057A	R-CARBON	4.7Kohm,5%,1/8W,AA,TP,1.8x3.2mm
PR1	DPRA-10030A	R-CARBON	220ohm,5%,1/8W,AA,TP,1.8x3.2mm
FC2,FC3	DPCA-10001C	C-CERAMIC,AXIAL	100nF,+80-20%,50V,Y5V,TP
FC1	DPEC-10003A	C-ELECT(SRE)	47uF,20%,10V,GP,TP,6.3x5,2.5mm
FCON1	DPWI-10120A	CONNECTOR-WIRE	ANGLE,10P,2mm,B/L,100mm
	DP00-L0005A	CUSHION FLT	EVA T2.0
	DPEX-10035B	PUSH-SWITCH	PS4E-A-049
	DPEX-10038A	AC POWER CORD(CEE)	LA-C-101,2P,290mm
	DPPB-10146A	PCB	FRONT-PCB,PHENOL,1.6T,255x57(DMA-1030)
	APFR-00083A	PCB ASS'Y	VOLUME-PCB ASS'Y(DMA-1030)
	DPPB-10014A	PCB	VOLUME,PHENOL,1.6T,50x42(R5050 VOL)
	DPEX-10089A	SWITCH-ENCODER	EC16B24T01D4ZZZ
	DPWI-10132A	CONNECTOR-WIRE	ANGLE,3P,2mm,B/L,90mm

FRONT (DMA-2030)

Location	CODE NO.	Description	Specification
	APFR-00081A	PCB ASS'Y	FRONT-PCB ASS'Y(DMA-2030)
U1	DPIC-10009A	IC-DRIVER	PT6311/CS16311EN
RE1	DPEX-10132A	IR RECEIVER	KSM-913TC5N
FSW1,FSW2,FSW3,FSW4,FSW5,FSW6,FSW7,FSW8	DPEX-10014A	SWITCH-TACT	DHT1104RTA,6x6x5
FSW9,FSW10	DPEX-10014A	SWITCH-TACT	DHT1104RTA,6x6x5
FD1,FD2,FD3	DPDA-10007A	DIODE-SWITCHING	1N4148
FLT1	DPEX-10063A	VFD	VFD25-1205F/ZYC26100-1A01/HNV-12SS20
PLED1	DPEX-10015A	LED	SSR202C
FJ1,FJ2,FJ3,FJ4,FJ5,FJ6,FJ7,FJ8	DPRA-10001A	JUMPER WIRE	WIRE-NO SHEATH CU; SPCW,300V,1/0.5
FJ9,FJ10,FJ11,FJ12,FJ13,FJ14,FJ15,FJ16	DPRA-10001A	JUMPER WIRE	WIRE-NO SHEATH CU; SPCW,300V,1/0.5
FJ17,FJ18,FJ21,FJ22,FJ24,FJ26,FJ27,FJ28	DPRA-10001A	JUMPER WIRE	WIRE-NO SHEATH CU; SPCW,300V,1/0.5
FJ29,FR6,FR7,FR8,FR9,FR10	DPRA-10001A	JUMPER WIRE	WIRE-NO SHEATH CU; SPCW,300V,1/0.5
FR14	DPRA-10004A	R-CARBON	100ohm,5%,1/8W,AA,TP,1.8x3.2mm
FR1,FR2,FR3,FR4	DPRA-10006A	R-CARBON	10Kohm,5%,1/8W,AA,TP,1.8x3.2mm
FR5	DPRA-10065A	R-CARBON	58Kohm,5%,1/8W,AA,TP,1.8x3.2mm
FR11,FR12,FR13	DPRA-10057A	R-CARBON	4.7Kohm,5%,1/8W,AA,TP,1.8x3.2mm
PR1	DPRA-10030A	R-CARBON	220ohm,5%,1/8W,AA,TP,1.8x3.2mm
FC2,FC3	DPCA-10001C	C-CERAMIC,AXIAL	100nF,+80-20%,50V,Y5V,TP
FC1	DPEC-10003A	C-ELECT(SRE)	47uF,20%,10V,GP,TP,6.3x5.2mm
FCON1	DPWI-10120A	CONNECTOR-WIRE	ANGLE,10P,2mm,B/L,100mm
	DP00-L0005A	CUSHION FLT	EVA T2.0
	DPEX-10035B	PUSH-SWITCH	PS4E-A-049
	DPEX-10038A	AC POWER CORD(CEE)	LA-C-101,2P,290mm
	DPPB-10153A	PCB	FRONT-PCB,PHENOL,1.6T,270x55(DMA-2030)
	APFR-00083A	PCB ASS'Y	VOLUME-PCB ASS'Y(DMA-1030)
	DPPB-10014A	PCB	VOLUME,PHENOL,1.6T,50x42(R5050 VOL)
	DPEX-10089A	SWITCH-ENCODER	EC16B24T01D4ZZZ
	DPWI-10132A	CONNECTOR-WIRE	ANGLE,3P,2mm,B/L,.90mm

AV JACK

Location	CODE NO.	Description	Specification
	APFR-00082A	PCB ASS'Y	FRONT JACK-PCB ASS'Y(DMA-1030)
FJ3	DPJA-10048A	OPTICAL JACK	VSR5U
FJ1	DPJA-10024A	RCAJACK 1P	AV3-8.4-17A(Y/W/R)
FJ2	DPJA-10049A	JACK-EARPHONE	CKX3-3.5-25-7P
FCN3	DPWI-10133A	CONNECTOR-WIRE	STRAIGHT,13P,2mm,B/S,SHIELD,70mm